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Hercules - Kenvil Works Facility
Kenvil, New Jersey

Soils Site Investigation

Volume I - Text

May 2004

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Kenvil, New Jersey
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HERCULES

SOILS SITE INVESTIGATION

VOLUME I – TEXT, FIGURES, APPENDICES B AND C

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KENVIL, NEW JERSEY

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LIST OF ACRONYMS AND ABBREVIATIONS

Alliant	Alliant Techsystems
AN	Ammonium Nitrate
ANFO	Ammonium Nitrate/Fuel Oil
AOC	Areas of Concern
AQAPP	Analytical Quality Assurance Project Plan
ASTs	Aboveground Storage Tanks
bgs	below ground surface
FEC	Frequent Exceedance Constituent
CPT	Cone Penetrometer
DDNP	Diazodinitrophenol
DIAZO	Diazodinitrophenol
DNT	2,4/2,6-Dinitrotoluene
DOD	Department of Defense
DQO	Data Quality Objectives
E&E	Explosive and Energetic
EDDs	Electronic Database Deliverables
EDI	Electronic Data Interchange
EDM	Electronic Distance Measurement
EM	Electromagnetic
ETR	Earth Resources Technology
FA	Further Action
Facility	Kenvil Works facility
FID	Flame-ionization Detector
FQAPP	*Field Quality Assurance Project Plan*
FSP	Field Sampling Plan
g/cc	gram per cubic centiliter
GIS	Geographic Information System
GPL	General Physics Laboratories
gpm	gallons per minute
GPR	Ground Penetrating Radar
GPS	Global Positioning System
Hercules	Hercules Incorporated
HMX	cyclotetramethylenetetranitramine
IDW	Investigation-Derived Waste
IGWSCC	Impact to Groundwater Soil Clean-up Criteria
IRMs	Interim Remedial Measures
ISRA	Jersey's Industrial Site Recovery Act
LCS	Laboratory Control Samples
MS/MSD	Matrix Spike and Matrix Spike Duplicate
N.J.A.C	New Jersey Administrative Code

LIST OF ACRONYMS AND ABBREVIATIONS

NAVD	North American Vertical Datum
NC	Nitrocellulose
NFA	No Further Action
NFA	No Further Action
NG	Nitroglycerin
NJDEP	New Jersey Department of Environmental Protection
NRDCSCC	Non-Residential Direct Contact Soil Cleanup Criteria
PA	Preliminary Assessment
PA/SI	Preliminary Assessment/ Site Investigation
PAH	Polycyclic Aromatic Hydrocarbons
PARCC	Precision, Accuracy, Representativeness, Comparability, Completeness
PCBs	Polychlorinated Biphenyls
PETN	Pentaerythritol Tetranitrate
PID	Photo-ionization Detector
PSO	Project Safety Officer
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RA	Remedial Agreement
RDCSCC	Residential Direct Contact Soil Clean-up Criteria
RDX	cyclotrimethylenetrinitramine
Roux	Roux Associates
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SI	Site Investigation
SOP	Standard Operating Procedures
sq. ft.	square feet
SSHSP	Site-Specific Health and Safety Plan
SSI	Soils Site Investigation
SVOCs	Semivolatile Organic Compounds
Technical Requirements	Technical Requirements for Site Remediation
TNT	Trinitrotoluene
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbon
USEPA	United States Environmental Protection Agency
USTs	Underground Storage Tanks
VOCs	Volatile Organic Compounds
WWTP	Wastewater Treatment Plant
XRF	X-Ray Fluorescence

EXECUTIVE SUMMARY

This document presents the results of the Site Investigation (SI) conducted on the soils (Soils – SI) of the Hercules Incorporated Kenvil Works Facility (facility) as part of an obligation to execute a Remedial Agreement (RA) with the New Jersey Department of Environmental Protection (NJDEP). The RA was signed on March 10, 1995 and establishes the basis for conducting activities at the facility under New Jersey's Industrial Site Recovery Act (ISRA). This report has been prepared adhering to the requirements of New Jersey Administrative Code (N.J.A.C) 7:26E-3.13 for the submittal of SI reports.

The primary objective of the Soil – SI, as described in N.J.A.C. 7:26E-3.3(a), is to determine on a facility-wide basis, and in a manageable and cost effective manner, if there are any contaminants present within the facility soils at concentrations exceeding any applicable clean-up standards.

The facility is comprised of approximately 1,200 Areas of Concern (AOCs), as defined by N.J.A.C. 7:26E-1.8. Due to the high degree of complexity and numerous years of operational history, many of these AOCs share or have supported similar facility functions. The AOCs are grouped into the following 10 categories to simplify development of sampling and analysis protocols for each AOC in compliance with N.J.A.C. 7:26E-3.3 through 3.12 requirements. The following is a listing of each AOC category present at the facility:

- Existing Buildings
- Remnant Buildings
- Building Ancillary Features
- Aboveground Storage Tanks
- Underground Storage Tanks
- Septic Tanks
- Spill Containment Structures/Culverts/Wastewater Pits
- Above-grade Process Pipelines/Nitroglycerin (NG) Gutters
- Discharge Points or Areas/Remnant Activity Areas
- Transformers/Electric Substations

The Soil - SI is designed to comply with the intent of the NJDEP's Technical Requirements for Site Remediation (Technical Requirements) documented in N.J.A.C. 7:26E. Specifically, the Soil – SI field investigation complies with the SI requirements established in N.J.A.C. 7:26E-3.3 through 3.12. The required number of analytical samples described in the Technical Requirements was reduced and approved by the NJDEP as a variance to the regulations by utilizing the following sample collection methodology:

- Field soil screening methods were used throughout the SI investigation to bias the collection of analytical samples sent to an independent laboratory for analysis. Screening data was used to evaluate, at a minimum, energetic and explosive (E&E) compounds by colorimetric methods, volatile organic compounds (VOCs) utilizing a photoionization/flame ionization detector, and metals utilizing X-Ray fluorescence spectrophotometry. Collection of screening samples was compliant to the sampling requirements of N.J.A.C 7:26E-3.5 through 3.9 and biased towards the location of suspected greatest contamination based on field conditions or knowledge of operations history as defined in N.J.A.C. 7:26E-3.4. The following criteria were used to bias screening samples: area history, discolored soil, stressed vegetation, drainage patterns, field screening, odor, and professional judgement.

- Analytical sample collection was based on screening results, field conditions, or knowledge of history where site screening results were inconclusive. At most, AOCs analytical samples were collected at a frequency of two samples per each AOC with an area greater than 100 square feet unless the NJDEP Technical Requirements stipulate a single sample is necessary for that AOC category. AOCs less than 100 square feet in area were addressed with one analytical sample. In the case of complex AOCs (multiple AOCs functioning as a single operational unit), one analytical sample was collected for each AOC category present. Complex AOCs with only two AOC categories were addressed with two analytical samples. This sample frequency was collected to justify a request of no further action in the event favorable analytical results were received.

To accomplish the objective of the Soils - SI, Hercules categorized the approximately 1,200 areas of concern (AOCs) into common groups to aid in processing each AOC through the SI process. To categorize the AOCs into common groups, the results of the approximately 1,900 laboratory analyzed samples collected during the Soil – SI field investigation were compared to the NJDEP Residential Direct Contact Soil Clean-up Criteria (RDCSCC), Non-Residential Direct Contact Soil Clean-up Criteria (NRDSCC), and Impact to Groundwater

Soil Clean-up Criteria (IGWSCC). Based on these comparisons, the AOCs were placed into the categories below, which are:

- AOCs requiring no further action (NFA). NFA is requested for AOCs identified not to have constituents within the soil exceeding any of the NJDEP Soil Clean-up Criteria (NJSCC).

- AOCs requiring further action (FA) and additional investigation. AOCs that have identified constituents within the soil exceeding at least one of the NJSCC will continue through the facility-wide restoration strategy as depicted in Figure 1-1 of Volume I. This category is subdivided into the following subcategories:

  - AOCs suitable for Single Phase Remediation. These are AOCs where the remedial action can be conducted concurrently with sampling efforts to delineate the contamination and to confirm contaminant removal. AOCs suitable for Single Phase Remediation will be identified and discussed with NJDEP prior to initiating remedial activities.

  - AOCs reserved for the Remedial Investigation (RI). AOCs were placed in this subcategory based on field observations determining that various facility related constituents would exceed the NJDEP RDCSCC.

The results of the AOC categorization yielded 517 AOCs recommended for NFA and 694 AOCs requiring FA. Included in the 694 AOCs requiring FA, 34 AOCs are suitable for Single Phase Remediation, 43 AOCs are Reserved for RI, 19 AOCs require confirmation sampling, and one AOC was inadvertently missed during the field investigation. The total number of AOCs investigated, site-wide, during the Soils – SI is 1211 AOCs.

1.0 INTRODUCTION

Hercules Incorporated (Hercules) retained MWH Americas, Inc. (MWH) to conduct a Site Investigation (SI) on the soils (Soils – SI) of the Kenvil Works Facility (facility) as part of their obligation to execute a Remedial Agreement (RA) with the New Jersey Department of Environmental Protection (NJDEP). The RA was signed on March 10, 1995 and establishes the basis for conducting activities at the site under New Jersey's Industrial Site Recovery Act (ISRA).

The Soil - SI was designed to comply with the intent of the NJDEP's Technical Requirements for Site Remediation (Technical Requirements) documented in the New Jersey Administrative Code (N.J.A.C.) 7:26E. Specifically, the Soil – SI field investigation complies with the SI requirements established in N.J.A.C. 7:26E-3.3 through 3.12. This report has been prepared following the requirements of N.J.A.C 7:26E-3.13 for the submittal of SI reports.

This Soil – SI is one of a series of phases that comprise a facility-wide restoration strategy. The facility-wide restoration strategy, graphically presented on Figure 1-1 of Volume I, incorporates flexibility to address each major environmental media (i.e. groundwater, sediment, surface water, or soils) either on a facility-wide or a former operational area basis.

The following documents, each previously submitted to NJDEP, were integral to the performance of the Soil - SI:

- The *Field Site-Specific Health and Safety Plan* (SSHSP – Montgomery Watson, April 1999) provides the health and safety procedures to be adhered to during the facility-wide investigation. The NJDEP received the SSHSP in compliance with N.J.A.C. 7:26E-1.9.

- The *Revised Analytical Quality Assurance Project Plan* (AQAPP - Montgomery Watson, December 2000) describes the quality assurance/quality control (QA/QC) procedures for all analytical activities conducted during the facility-wide investigation, including the Soil - SI. The Revised AQAPP was modified to include Lancaster Laboratories as a contract laboratory. The NJDEP has approved the previous AQAPP.

- The *Final Field Quality Assurance Project Plan* (FQAPP - Montgomery Watson, June 1999) was developed to describe, in detail, the field sampling and screening methodologies to be followed during the facility-wide investigation, including the Soil - SI. NJDEP has approved the FQAPP.

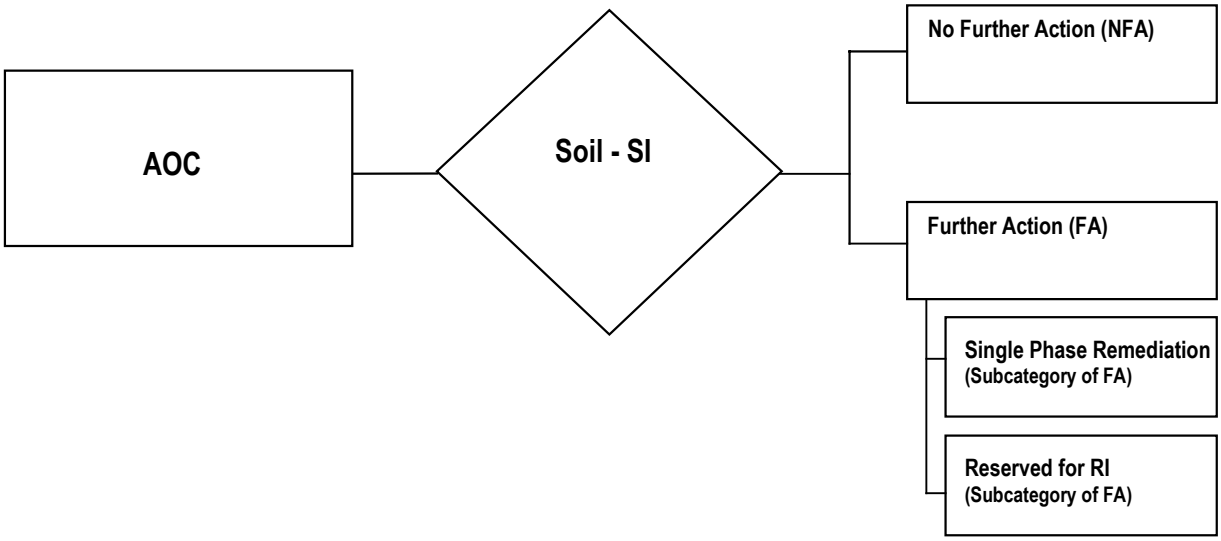
1.1 PROJECT OBJECTIVE

The primary objective of the Soil – SI as described in N.J.A.C. 7:26E-3.3(a) is to determine on a facility-wide basis, and in a manageable and cost effective manner, if there are any contaminants present within the facility soils at concentrations exceeding any of the applicable clean-up standards.

To accomplish this objective, following the receipt of analytical results, Hercules categorized the approximately 1,200 areas of concern (AOCs) into common groups to aid in processing each AOC through the SI process. To categorize the AOCs into common groups, the results of the laboratory analysis collected during the Soil – SI field investigation were compared to the NJDEP Residential Direct Contact Soil Clean-up Criteria (RDCSCC), Non-Residential Direct Contact Soil Clean-up Criteria (NRDSCC), and Impact to Groundwater Soil Clean-up Criteria (IGWSCC). Based on these comparisons, the AOCs were placed into the following categories:

- AOCs requiring no further action (NFA). NFA is requested for AOCs identified not to have constituents within the soil exceeding any of the NJDEP Soil Clean-up Criteria (NJSCC).
- AOCs requiring further action (FA) and additional investigation. AOCs that have identified constituents within the soil exceeding at least one of the NJSCC will continue through the facility-wide restoration strategy as depicted in Figure 1-1 of Volume I. This category is subdivided into the following subcategories:
  - AOCs suitable for Sinlge Phase Remediation. These are AOCs where the remedial action may be suitable to be conducted concurrently with sampling efforts to delineate the contamination and to confirm contaminant removal. AOCs selected for Single Phase Remediation will be identified and discussed with the NJDEP prior to any remedial action.
  - AOCs reserved for the Remedial Investigation (RI). AOCs were placed in this subcategory based on field observations determining that various facility related constituents would exceed the NJDEP RDCSCC.

AOC Processing Concept



This grouping will be used to focus the next phase of site characterization and to identify areas that are good candidates for potential single-phase remediation, if appropriate. This laboratory analytical results-based grouping should not be confused with the AOC categories developed to aid in the logistics of field sampling the approximately 1200 AOCs, which is described in Section 1.5 of this report.

Note: Site-specific clean-up criteria are likely to be established for the facility. Following NJDEP acceptance of any site-specific clean-up criteria, AOCs may be moved from the remedial categories to the NFA category.

1.2 REPORT ORGANIZATION

This report is organized as follows:

- Section 1.0 presents the report organization and objectives, and summarizes facility background information.
- Section 2.0 presents the scope of work for the Soil – SI, which describes the specific sampling procedures and requirements followed during site screening activities.

- Section 3.0 presents the data quality control results for samples collected during the Soil – SI.

- Section 4.0 describes the background concentrations of the constituents detected during the Soil – SI. The background samples were collected from unutilized portions of the facility and represent native conditions.

- Section 5.0 summarizes the results of the analytical samples collected during the Soil - SI.

- Section 6.0 presents the AOCs that were reserved for the forthcoming remedial investigation. AOCs were reserved for the remedial investigation based on field observations determining that various facility related constituents would exceed the NJCSCC.

- Section 7.0 summarizes the remaining field-sampling activities that were not completed during the Soil –SI.

- Section 8.0 presents the results of the geophysical investigation conducted as part of the Soil – SI.

- Section 9.0 presents the conclusions of this Soil – SI report, as well as recommendations for future work based on the results of the Soil – SI report.

1.3 FACILITY HISTORY

The facility dates back to the 1870's when it was opened for the manufacture of dynamite to support the iron ore mining operations in the surrounding area. The facility was operated by various companies until 1912 when Hercules became the sole owner.

The facility has produced a variety of explosive and energetic (propellant) (E&E) related products for both military and commercial applications. In the early 1900's, the plant produced trinitrotoluene (TNT) in support of World War I activities along with other ordnance-related materials. The production of materials for military applications was expanded during World War II to include smokeless powder for both the United States and Great Britain. During the 1980's, the explosives industry began using Ammonium Nitrate/Fuel Oil (ANFO) in many explosive applications. Ammonium Nitrate manufacturing operations were installed and slurry explosive trucks operated out of the facility. The facility has also maintained a research and development area and produced special products such as initiating materials, ingredients for medical applications, and materials for actuating devices.

The principal product over the last 20 years, smokeless powder, was most recently produced by Alliant Techsystems (Alliant) under a facility lease agreement. The principal processing areas for this activity include the Nitroglycerin (NG) Area, the A-Line production area, the B-Line production area, and the Finishing Area. Material handling areas at the facility include both loading and unloading areas which were used to unload incoming raw materials and load finished product for shipment by truck. Former support areas at the facility included office space, plant laboratories, maintenance areas, power houses, mixed acid areas, drum storage areas, the water supply system, a wastewater treatment plant (WWTP), warehouses and other miscellaneous production and support buildings.

In early 1995, Hercules sold the smokeless powder business to Alliant, who operated the facility until December 31, 1996. Hercules re-acquired control of the facility on January 1, 1997 and as the property owner is responsible for the remediation and closure of the facility for sale or reuse.

During the time Alliant operated the facility, Hercules entered into a voluntary agreement with the State of New Jersey to investigate the contamination level at the TNT area. ISRA requirements were triggered when Alliant terminated the lease for the facility.

1.4 FACILITY DESCRIPTION

The facility is located on Howard Boulevard, approximately 0.5 miles northwest of the center of Kenvil, in Morris County, New Jersey. Figure 1-2 of Volume I illustrates the location of the site with respect to Roxbury Township. Figure 1-3 of Volume I provides a general layout of the plant divided into 13 former operational areas, including:

1. Trinitrotoluene (TNT) Area
2. Dynamite Area
3. Nitroglycerin (NG) Area
4. Pentaerythritol Tetranitrate (PETN) Area
5. Development Area
6. Diazodinitrophenol (DIAZO) Area
7. Maintenance Area
8. B-Line Area

9. A-Line Area
10. Finishing Area
11. Ammonia Nitrate (AN) Area
12. Storage Area
13. Miscellaneous/Offsite Area

The plant is located approximately 40 miles west of New York City and 30 miles east of the Delaware Water Gap. The site is approximately 13,000 feet long by 5,000 feet wide and occupies approximately 1,200 acres, of which approximately 800 acres were developed for plant use. The remaining 400 acres are undeveloped areas between process units and around the perimeter of the site, which buffer the former active portions of the plant from the surrounding community.

The plant's production areas are centrally located in a relatively flat area with a slight slope extending to Howard Boulevard on the northwest side and a topographic ridge on the southeast side that separates the production area from the Berkshire Valley area. The property contains several wet areas and has one major pond, known as "Duck Pond", which is approximately 10 acres in size.

The principal process areas at the facility included the TNT Area, Nitroglycerine (NG) Area, Diazo area, A-Line Area, B-Line Area, Dynamite Area, Development Area, and Finishing Area. The material handling areas at the facility included loading and unloading areas, where raw materials were unloaded and finished product was loaded for shipment by truck, and tank farms where raw and recovered materials were stored.

1.5 FACILITY AOC DESCRIPTION

The facility is comprised of approximately 1,200 AOCs, as defined by N.J.A.C. 7:26E-1.8. Due to its high degree of complexity and numerous years of operational history, many of these AOCs share or have supported similar facility functions. The AOCs were grouped into the following 10 categories to simplify development of sampling and analysis protocols for each AOC in compliance with N.J.A.C. 7:26E-3.3 through 3.12 requirements. The following

is a listing and description of each AOC category present at the facility and the NJDEP approved sampling protocols, which represent a variance to the Technical Requirements:

- Existing Buildings
- Remnant Buildings
- Building Ancillary Features
- Aboveground Storage Tanks
- Underground Storage Tanks
- Septic Tanks
- Spill Containment Structures/Culverts/Wastewater Pits
- Above-grade Process Pipelines/NG Gutters
- Discharge Points or Areas/Remnant Activity Areas
- Transformers/Electric Substations

1.5.1 Existing Buildings

Many existing structures were present at the time the Soil – SI field efforts were performed. These structures generally ranged from 2-foot by 5-foot storage sheds to 200-foot by 100-foot manufacturing buildings. The structures were constructed of very high-grade materials meeting Department of Defense (DOD) explosive manufacturing specifications and were in good condition. Decontamination and dismantlement (D&D) efforts have been conducted in conjunction with the implementation of the SI and as a result the majority of the buildings present at the time of the Soil – SI field efforts have since been demolished. Figures 1-4 and 1-5 of Volume I present the soil screening strategy for existing and soil covered buildings.

1.5.2 Remnant Buildings

During the long historic operation of the facility, many buildings were demolished to support new and modified manufacturing processes. Formerly demolished buildings were observed in the form of building foundations, building rubble, or building foundations partially or largely covered with soil and/or vegetation. Every attempt was made to identify the function of each remnant building and identify any ancillary features associated with its use. Figures 1-6, 1-7, and 1-8 of Volume I present the soil screening strategy for remnant buildings.

1.5.3 Building Ancillary Features

Building ancillary features are locations intimately integrated into the former use of a building that meet the NJDEP description of an AOC. The primary ancillary features encountered at the site were loading areas, storage areas, and drain pipes associated with the process function of the buildings. Figure 1-4 of Volume I presents the soil screening strategy for building ancillary features.

1.5.4 Aboveground Storage Tanks (ASTs)

Present and former aboveground storage tanks (ASTs) encountered during the site reconnaissance were generally used for liquid storage or as compressed air tanks during facility operation. ASTs were identified mounted/formerly mounted above soil and containment pads. Figure 1-9 of Volume I presents the soil screening strategy for ASTs.

1.5.5 Underground Storage Tanks (USTs)

In July of 1998, two 2,000-gallon underground storage tanks (USTs) were removed from the facility's maintenance area. The removal of the two USTs were cited in *Site Investigation Report – UST Closure* (November 1998), and are believed to be the last regulated USTs within the facility boundary.

1.5.6 Septic Tanks/Leach Fields

Septic tanks are present at the facility and are associated with "change houses," which are essentially personnel locker room type structures. Records indicate that the septic tanks held sanitary waste. Originally, the septic tanks were believed to have associated drain fields but upon inspection it was determined that the septic tanks were operated similar to cesspools and there were no associated drain fields. All known septic tanks within the facility boundary have been included in this report. Figure 1-10 of Volume I presents the soil screening strategy for septic tanks.

1.5.7 Spill Containment Structures/Culverts/Wastewater Pits

Spill containment structures present at the facility were encountered in the form of "catch tanks" or "catch basins" located to collect facility process liquids and fine-grained material. These structures were generally closely associated with a specific process building and were used in conjunction with underground pipelines, culverts (the intersection of two or more wastewater pipelines), or "wastewater pits" to transfer process liquids to the facility WWTP plant. The intersection of the wastewater pipelines was contained within cement structures and culverts were cleaned at regular intervals to reduce the potential for an explosive hazard to exist within the wastewater treatment system. Figure 1-11 of Volume I presents the soil screening strategy for spill containment structures/culverts/wastewater pits.

1.5.8 Above Grade Process Pipelines/NG Gutters

Above grade process pipelines and nitroglycerin (NG) gutters were utilized to transfer process fluids within the facility. Due to the nature of explosive manufacturing, very little above grade process piping was present at the facility. The majority of the chemical inventory required for manufacturing was stored in small quantities at the particular manufacturing site. Historically, explosions and fires made bulk transfer of raw chemical material through pipelines impractical. The primary above grade process piping was used for cooling water and compressed air in support of the manufacturing operations. The only significant above grade chemical process piping were the NG gutters, specified by the DOD, to transport NG from the manufacturing buildings to the storage areas. Figure 1-12 of Volume I presents the soil screening strategy for above grade process pipelines/NG gutters.

1.5.9 Discharge Points or Areas/Remnant Activity Areas

Discharge points or areas were encountered as areas of "stressed vegetation". Remnant activity areas were defined as areas in which general facility support previously occurred and there is no history of hazardous substance usage or storage. Examples of remnant activity areas include a former scrap metal storage area that stored only non-contaminated metal prior to shipment off-site for reuse, wood storage, and equipment staging. Figure 1-13 of Volume I presents the soil screening strategy for discharge points or areas/remnant activity areas.

1.5.10 Transformers/Electric Substations

Transformers and electric substations were either attached to utility poles or installed within a gravel-covered electric substation area. The small utility pole mounted transformers were the most prevalent. Figure 1-14 of Volume I presents the soil screening strategy for transformers/electric substations.

1.6 COMPLEX AOCS

Complex AOCs are defined as a single operational unit, such as a shipping house or process building, that possessed more than one AOC category as defined by the NJDEP (i.e. loading areas, catch tank, and floor drain) that was integral to the operation of the unit. Complex AOCs were viewed as individual discrete units and were investigated as such; one analytical sample was collected for each AOC category present, with a two-sample minimum.

1.7 REGIONAL GEOLOGY

The facility is located in the New Jersey Highlands physiographic province of north central New Jersey. This area is characterized by broad, elevated ridges separated by long, narrow valleys. Areas of higher elevation are underlain by Proterozoic crystalline metamorphic bedrock that has been intricately deformed by folding and faulting. Prominent faults in the vicinity of the site include the Longwood Valley Fault, the Berkshire Valley Fault, and the Picatinny Fault. These faults resulted from several periods of Paleozoic and Mesozoic deformation. Faults and fold axes are generally oriented in a southwest to northeast direction. This results in topographic features such as ridges and valleys to also be oriented in a southwest to northeast direction. A layer of colluvium and weathered bedrock, generally less than 10 feet thick, is present on some hillsides in the area. The colluvium is composed of unstratified and unsorted boulders, cobbles, and pebbles of bedrock in an orange-brown, silty-sand matrix. The weathered bedrock ranges from sandy saprolite to a rubble of angular cobbles and boulders.

Bedrock and surficial geologic maps for the vicinity of the site are provided in Figures 1-15 and 1-16 of Volume I, respectively. Figure 1-17 of Volume I presents a geologic cross section of the region.

1.7.1 Bedrock Geologic Units

The Byram Intrusive Suite of the Proterozoic age forms the ridges of Mine Hill southeast of the site and Mount Arlington and Mooney Mountain northwest of the site. The bedrock of the Byram Intrusive Suite predominantly consists of light-colored granite gneisses and gneissoid granites.

The Hardyston Formation and the Leithsville Dolomite of the Cambrian age are present in the subsurface within the valleys between Mine Hill and Mooney Mountain. The Hardyston Formation consists of quartzite and conglomerate. The Leithsville Formation contains dolomite, dolomitic shale, and interbedded sandstone. The Hardyston Formation occurs throughout most of Long Valley and is overlain by bedrock of the Leithsville Formation. These formations are overlain by glacial deposits in the vicinity of the site.

Beds of Silurian age quartzite and conglomerate of the Green Pond Formation form a minor ridge, Green Pond Ridge, which divides Long Valley into two parts in the vicinity of the site. The ridge is present along the southeastern boundary of the plant. The Green Pond Conglomerate is oriented in a southwest to northeast direction and continues in the subsurface beneath the overlying glacial deposits away from the facility.

Undifferentiated sedimentary rocks of Silurian and Devonian age consisting of shale and sandstone are present north of the site within the Berkshire Valley.

1.7.2 Glacial Deposits

Three Pleistocene age glacial geologic units, known in the literature as "valley-fill", are present in the area: a basal fluvial and deltaic sand and gravel unit; a middle lacustrine unit consisting of fine sand, silt, and clay; and an upper outwash deposit consisting of sand and gravel. The top of the basal sand and gravel unit occurs at the facility at a depth of approximately 200 feet below ground surface (bgs) and is up to 50 feet thick. The middle lacustrine unit occurs at a depth of approximately 50 to 200 feet bgs and is approximately 150 feet thick. The upper outwash unit occurs at the ground surface in the vicinity of the site and is approximately 50 feet thick.

The valley-fill deposits are overlain by terminal moraine deposits in the northeastern portions of the facility. Terminal moraine deposits, which were formed at the furthest advance of the glacial front, are a distinctive topographic feature extending across northern New Jersey and through the northern portion of the facility. The terminal moraine deposits are composed of poorly sorted clay and boulders interstratified with well-sorted sand and gravel. Boulders as large as 10 feet in diameter are reportedly present in the terminal moraine deposits in the vicinity of the facility (Roux, 1993).

1.8 REGIONAL HYDROGEOLOGY

The occurrence and movement of groundwater in the region varies according to the geologic materials present. In the bedrock geologic units, groundwater occurs principally within fractures, bedding planes, and zones of shearing and faulting. The primary porosity of these rocks is minimal. The availability of water from wells drilled in these bedrock formations is dependent upon the size and frequency of fractures encountered in any particular well. The yield of large-diameter supply wells located within the bedrock formations in Morris County reportedly range from 4 to 400 gallons per minute (gpm) with a median range of 25 to 50 gpm (Roux, 1993). Recharge occurs to these formations by direct infiltration from precipitation. Local ground water flows from the topographic high areas and discharges into the adjacent valleys.

The sand and gravel deposits form the most significant aquifers in the region due to their high porosity. Groundwater occurs in these deposits under unconfined conditions throughout large areas, and under confined and semi-confined conditions where bounded by impermeable clays. The sand and gravel valley-fill aquifers are the largest producers of water in the region. Yields of large-diameter wells reportedly range from 20 to 2,000 gpm with a median range between 200 to 500 gpm (Roux, 1993).

The sand and gravel aquifers occur throughout the valleys in the vicinity of the facility. The aquifers receive recharge from direct infiltration of precipitation, infiltration from surface water bodies, and from subsurface discharge from adjacent bedrock formations. Discharge occurs to streams in low-lying parts of the valley.

Groundwater flow in the sand and gravel aquifers is controlled by the topography and by the locations of the major stream drainage systems. The permeability of the sand and gravel aquifers is greater than that of the surrounding bedrock. The bedrock formations act as semipermeable boundaries. Groundwater generally flows in the direction of the valley and trends either to the northeast or southwest. The ridge composed of quartzite and conglomerate of the Green Pond Formation divides the valley into two parts, and locally acts as a northeast to southwest boundary to groundwater flow.

1.9 PREVIOUS INVESTIGATIONS SUMMARY

This section summarizes the previous investigations conducted at the facility, including the Preliminary Assessment (PA) and the Preliminary SI of the TNT Area conducted by Roux Associates (Roux). These investigations were conducted prior to the development of the facility-wide investigation strategy.

1.9.1 Preliminary Assessment Report

A PA of the facility was conducted by Roux in December of 1993. The objective of the PA was to provide background information for the facility and identify areas of potential concern. The activities conducted as part of the PA included:

- File search
- Review of historic plant maps
- Employee interviews
- Interpretation of historic aerial photographs
- Site inspections
- Magnetic Surveys
- Ground Penetrating Radar (GPR) Surveys
- Established the facility map grid system

The data compiled in the PA Report were reviewed and utilized to guide the development of the Soil – SI. However, many AOCs have been identified since the PA report was issued and thus were not included in the report, and further developmental efforts were required to fully

identify all of the AOCs at the facility. Section 1.10 describes the additional activities conducted to augment the Soil - SI.

1.9.2 Preliminary SI of the TNT Area

A preliminary SI was conducted by Roux in the TNT Area of the facility in the fall of 1997. The objective of the Preliminary TNT SI was to maintain the RA schedule compliance and to obtain an initial indication of TNT Area constituents of concern. The activities included sampling a number of AOCs within the TNT Area. The data generated during the Preliminary TNT - SI was used to modify the Phase I – SSI for the TNT Area. As previously agreed with NJDEP, analytical data for the TNT area was used as part of the Soil – SI to determine AOCs that were suitable to be reserved for the RI.

1.10 FACILITY-WIDE INVESTIGATION DEVELOPMENT ACTIVITIES

This section describes the developmental activities conducted to plan the facility-wide Soil – SI effort in support of the ISRA requirements. As a function of the information development process described in the following sections, the number of AOCs increased by approximately 46% over those originally identified and presented in the PA. As agreed with the NJDEP, these additional AOCs, largely comprised of remnant facility structures obscured by structural degradation and/or soil and vegetation overgrowth, were added to the overall facility-wide Soil – SI effort.

1.10.1 Historical Map Review/Digitization

A historic map and document search was conducted in October 1997 wherein 120 maps were identified and selected as representing the most significant sources of land use history information for the facility. The purpose of the search was to develop a graphic database which detailed site infrastructure at different phases over the course of the facility's history. Previously undocumented AOCs of structural and/or environmental significance were identified and categorized. The historic maps were then computer digitized so that the information represented on the maps could easily be electronically manipulated to help create the facility-wide basemap, described in Section 1.10.3 of this report. Table 1-7 of Volume I presents the primary maps utilized during the historical site map review of the facility.

1.10.2 Site Reconnaissance/Survey

Based on the results of the historic map review, a site reconnaissance was conducted in 3rd quarter of 1998. The purpose of the site reconnaissance was to field-verify facility AOCs and to survey their locations using global positioning system (GPS) and conventional surveying techniques. Surveyed AOCs were documented via digital photography and log book descriptions, and compiled into a facility information database compatible with NJDEP Geographic Information System (GIS) requirements.

1.10.3 Basemap Development

Following the site reconnaissance, a facility-wide basemap was developed. The basemap was constructed utilizing the various data sets generated during the previous facility information development phases. The facility basemap was developed in N.J.A.C. 7:26E required format and is presented in Figure A-1 of Appendix A.

1.10.4 Facility Grid System and Feature Identification

An alpha-numeric grid system was previously developed for the facility and was utilized to develop a subsequent system to aid in the simplification of AOC designation. The original grid is a uniform size of 500 ft by 500 ft with alphabetic designations established along the east-west axis and numeric designations established along the north-south axis. The grid node designations, when combined with newly developed AOC designation numbers, uniquely identifies and locates each AOC. For example building 8126 which is the ballistics laboratory in the Development Area, is located in grid H5 and is therefore, uniquely designated as H5-8126.

AOCs identified during the site reconnaissance that did not already have assigned an identification number were sequentially identified according to the order of their discovery, and associated with their appropriate grid number, e.g. the first AOC located in grid area H5 without an assigned identification number was identified as H5-1, and so forth.

1.10.5 Undeveloped Area Preliminary Assessment/ Site Investigation (PA/SI)

A PA/SI was conducted in the outlying portions of the facility that had never been utilized for manufacturing or support activities conducted at the facility. The objective of the Undeveloped Area PA/SI was to accelerate through the ISRA closure process the portions of the site that are likely not to have been impacted by historic operations. This investigation utilized both random and biased sampling to identify areas requiring further investigation and potentially remediation as described by Technical Requirements. The results of this investigation identified five isolated areas requiring further investigation. Four of the areas are less than 100-square feet (sq. ft.) and one area is approximately 900-sq. ft. The NJDEP has reviewed and commented on the Undeveloped Area PA/SI, which is currently in the comment and response phase.

2.0 SCOPE OF WORK

This section describes the field investigation and related office tasks conducted by MWH for the Soil SI.

2.1 SOIL SAMPLING

This section describes the methods and procedures utilized for the collection of soil samples during the Soil – SI. A minimum of 2 analytical samples, biased to the locations of highest potential contamination through the use of field screening methods as specified within N.J.A.C. 7:26E-2.1(b)1ii, were collected from each AOC greater than 100 square feet in order to request NFA from the NJDEP. AOCs less than 100 square feet required one analytical sample, biased to the locations of highest potential contamination through the use of field screening methods as specified within N.J.A.C. 7:26E-2.1(b)1ii, to request NFA. This sampling strategy was verbally approved during a meeting held on September 9, 1999, and a subsequent phone conversation held on September 22, 1999. This agreement was documented in a letter from Hercules dated September 30, 1999.

2.1.1 Field Screening Methods

Field soil screening methods were used extensively during the Soil – SI field investigation to bias the collection of analytical samples sent to the laboratory for analysis. Field screening methods were under no circumstance used to eliminate laboratory analysis. It was used to add analysis if compounds were detected during screening efforts. Field screening was not intended to replace laboratory analysis, only refine the location of the sample. A total of 5,206 screening samples were collected. Screening sample locations were compliant with the sampling frequency requirements of N.J.A.C 7:26E-3.5 through 3.9 and were biased to the location of greatest suspected contamination based on field conditions or knowledge of historic facility operations as defined in N.J.A.C. 7:26E-3.4. Appendix A presents the soil screening sample locations per former operational area. Tables 2-1 through 2-13 of Volume II, provide a summary of screening samples collected at each AOC per former operational area.

2.1.1.1 Explosive and Energetic Compounds. To ensure the safety of field and laboratory personnel, field screening for the presence of explosive and energetic (E&E) compounds was conducted during the collection of all soil samples. Field screening for E&E compounds was an essential aspect of the Soil – SI because the facility has manufactured or otherwise managed E&E compounds at various locations throughout the facility for more than 125 years.

The field screening method for E&E compounds presented in Section 5.1 of the FQAPP was modified slightly to achieve the objectives of the Soil – SI. Since delineation of E&E impacted soils is not in the scope of Soil – SI, the procedure was terminated with the use of the EX-PRAY ® E&E compound detection kit. The Dtech™ E&E compound detection kit was not utilized because the kit provides positive detection and relative concentration information for a narrow range of selected E&E compounds. The Dtech™ test kit is most applicable to delineation efforts and will be utilized during subsequent activities. The modified procedure for field screening E&E compounds is as follows:

- Upon arriving at the selected sample location, the field team visually inspected the ground surface for the presence of E&E compounds. If E&E compounds were visually identified the project manager was notified and personally inspected the area. The project manager determined if the concentration of E&E compounds were significant, and if the area warranted isolation for future remedial efforts, and therefore no samples were to be collected. If no E&E compounds were visually identified, then the proposed sampling was initiated.

- If no E&E compounds were visually identified during the sampling event, the sample material was evaluated for the presence of E&E compounds at levels below visual observation using the EX-PRAY® E&E compound detection test kit. If E&E compounds were detected using an EX-PRAY® E&E compound detection test kit, the sample was analyzed at the laboratory for E&E compounds. If no E&E compounds were detected, it was considered safe to fill the appropriate sample containers and ship the samples to the laboratory.

- The EX-PRAY® E&E compound detection test kit is an aerosol based technique that utilizes a patented paper and colorimetric reaction to identify E&E compounds at residual levels (20 nanograms). This kit can differentiate between polynitro-aromatics (TNT, picric acid, etc.), nitrate esters (nitroglycerin (NG), nitrocellulose (NC), etc.), and Nitramines {cyclotrimethylenetrinitramine (RDX), cyclotetramethylenetetranitramine (HMX), etc.}. The EX-PRAY® kit, however, does not provide contaminant concentration data, it is designed only to determine if E&E compounds are present in ranges from residual levels to near percentage

concentrations. The manufacturers' information and instructions for performing the EX-PRAY® tests is included in Appendix A of the FQAPP.

All personnel involved in site activities received initial or refresher E&E compound safety education prior to the commencement of the Soil - SI. This education was designed to provide employees with a thorough knowledge of and the ability to identify E&E compounds that could potentially be encountered on-site.

2.1.1.2 Volatile Organic Compounds. Field screening for the presence of volatile organic compounds (VOCs) was conducted continuously during the collection of soil samples for the Soil – SI to bias the location of the analytical sample. The field screening was accomplished with a Foxboro TVA 1000 which incorporates both a photo-ionization detector (PID), using a standard 10.6 electron volt lamp, and flame-ionization detector (FID) into one unit. Section 5.2 of the FQAPP presents the VOC screening procedure.

2.1.1.3 Metal Constituents. Field screening for the presence of metal constituents was conducted on each screening sample collected during the Soil - SI to bias the location of the analytical sample. The Spectrace 9000 X-Ray Fluorescence (XRF) spectrophotometer was the instrument utilized for metal screening. The Spectrace 9000 uses energy dispersive XRF spectrophotometry to determine the concentration of metal constituents present within soils. It uses three radioactive isotopes, Fe 55, Cd 109, and Am 241 to produce X-rays. The target metals of concern in the facility-wide investigation, specified because they were most frequently used in historical operations or likely to be encountered, included antimony (Sb), arsenic (As), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), and zinc (Zn). These target metals were only applied to field screening with the XRF spectrophotometer, analytical samples sent to the laboratory were analyzed for the full priority pollutant list (PPL) suite of metal constituents. Section 5.4 of the FQAPP presents the metal screening procedure.

2.1.2 Soil Sample Collection

The primary soil sampling method (used at approximately 99% of the sampling locations) was the manual sample collection method utilizing a stainless steel soil coring device and bucket auger. The secondary soil sampling method was the test pit sample collection method

utilizing a track mounted excavator. Section 7.0 of the FQAPP presents the specific procedures utilized for each soil sampling method.

The vast majority of the soil samples (greater than 95%) were collected from 0 to 2-feet below grade as stipulated in the Technical Requirements, N.J.A.C. 7:26E-3.6. Some AOC specific sampling requirements (less than 5%) stipulated in the Technical Requirements, N.J.A.C. 7:26E-3.9, required samples to be collected at specific depth ranges other than the 0 to 2-foot range (i.e. catch tanks). The exact sample collection depth for each analytical sample collected during the Soil – SI is presented in the data summary tables, discussed in Section 5.0 of this report, and in the Analytical Result Tables 5-1A through 5-13E of Volume III.

Analytical sample collection was based on screening results, field conditions, or professional judgement based on knowledge of historic facility operations where site screening results were inconclusive. At most AOCs, analytical samples were collected at a frequency of two samples per AOC greater than 100 square feet, to support a request for no further action. Only one sample was collected at AOCs in cases where the NJDEP Technical Requirements stipulated only one sample. AOCs less than 100 square feet were addressed with one analytical sample, as approved by the NJDEP. In the case of complex AOCs, one analytical sample was collected for each AOC type present, with a two-sample minimum. Appendix A presents figures showing the analytical sample locations per former operational area. Table 2-14 of Volume II provides a list of potential chemical waste classes that could be present at each AOC type. Tables 2-1 through 2-13 of Volume II provide a summary of the number of analytical samples collected and the analytical parameters selected at each AOC.

All samples collected for VOC analysis were collected from an undisturbed 6-inch interval obtained from a depth at least 6 inches below grade pursuant to the Technical Requirements, N.J.A.C. 7:26E-3.6(a)3. All remaining samples were derived from a composite of the 2-foot sample interval. A full 2-foot sample interval was required for the non-VOC analysis due to the large volume of sample material necessary.

In areas where E&E compounds were likely to be encountered, primarily former manufacturing structures (sumps, catch tanks, and wastewater pits), sampling devices were

constructed of non-sparking and non-conductive materials (polyvinyl chloride (PVC)) due to safety concerns.

***Note**: Every attempt was made to achieve the desired sample depth range. However, because of the operational history of the facility and geologic conditions, not all sample intervals could be advanced over the full desired depth range. In these cases, the soil boring was terminated at refusal because it is not safe to force sampling equipment when there is the possibility of encountering E&E compounds in the bore-hole. The exact sample collection depth for each analytical sample collected during the Soil – SI is presented in the data summary tables, discussed in Section 5.0 of this report, and in the Analytical Results Tables 5-1A through 5-13E of Volume III.*

2.1.3 Laboratory Analysis

1,998 samples were collected for analytical analyses. The samples were submitted to General Physics Laboratories (GPL) of Gaithersburg, Maryland. GPL is certified to provide laboratory services in the State of New Jersey (Certification No. 60671). Each soil sample submitted for analytical analyses was analyzed for portions of the priority pollutant (PP) +40 list. Since various AOCs handled specific chemicals and E&E compounds, respective analytical suites of laboratory analysis for these areas were modified to include the specific constituents of concern. Table 2-15 of Volume II presents a list of constituents analyzed per analyte group. Tables 2-1 through 2-13 of Volume II summarize the program for analytical analyses conducted at each AOC per former operational area. Section 6.0 of the AQAAP provides specific analytical information for each analyte or parameter selected during the Soil – SI.

2.1.4 Sample Handling and Shipment

Analytical samples submitted for analysis were immediately packaged in the appropriate sample containers and placed in an iced cooler for shipment to GPL. The coolers were shipped to GPL via courier and were received by the laboratory within 24-hours of sample collection.

2.1.5 Sample Identification

All samples collected were designated with an alpha-numeric code that identifies each sample by the matrix sampled, site location number, sequential sample number and depth interval, as appropriate. Sampled matrices were identified by a two-letter code, (e.g., SB for soil boring sample). The site location number corresponds to the facility grid location and feature number (i.e. A13-2205). Sequential sample numbers at each new sampling location for each sample type began with 01 and increased accordingly. Sample designations for soil and sediment samples collected included the depth to the top of sample interval.

The following is a guide for sample identification:

Matrix	Site Location Number		Sequential Sample	Sample Depth Range Or Top of VOC Sample Interval Depth (in feet)
AA	ANN-NNNN	–	NN	(NN)

where:

A = alphabetic
N = numeric

Matrix codes for this project will be as follows:

SB = Soil boring samples
SD = Sediment samples
MW = Monitoring well groundwater
GW = Groundwater samples from non-permanent sampling point
SW = Surface Water
EQ = Equipment blank
TB = Trip blank

Example sample designations are shown below:

- Soil samples collected from site I6-8125 (Development Area Research Lab) were labeled as SB-I6-8125-01(0-2), SB-I6-8125-02(0-2), SB-I6-8125-03(0-2), etc.

The information contained within the sample identification is included in the Hazsite electronic data submission.

2.1.6 Equipment Decontamination Procedures

The following subsections describe the equipment decontamination procedures used during the Soil – SI.

2.1.6.1 Manual Sampling Equipment. All non-disposable manual sampling equipment (i.e. soil coring devices, spoons, bowls, etc.) was decontaminated prior to mobilization to each sampling location and after each use. The following procedures were used to decontaminate the manual sampling equipment:

- Equipment was washed with potable water and laboratory-grade detergent.
- Equipment was thoroughly rinsed with potable tap water.
- Equipment was rinsed with distilled water from an approved potable water source.
- If the equipment was used to collect samples for metals analysis, equipment was rinsed with a 10 percent solution of laboratory grade nitric acid followed by another rinse with distilled water.
- If the equipment was used to collect samples for organic analysis the equipment was rinsed with pesticide-grade acetone rinse, air dried, and followed by another rinse with distilled water.
- Equipment was wrapped for storage in aluminum foil, shiny side out.

2.1.6.2 Heavy Equipment. The excavator used to conduct test-pitting activities was decontaminated upon arrival at the site, between each subsurface sampling location, and upon leaving the site. The bucket and arm of the excavator was decontaminated with a high-pressure steam cleaner.

2.1.7 Investigation-Derived Waste Management

The following subsections describe the disposal practices used for soil cuttings and equipment decontamination fluids.

2.1.7.1 Soil Cuttings. Soil cuttings generated during sampling activities were returned to the borehole in compliance with the NJDEP *Field Sampling Procedures Manual* (NJDEP, 1992).

2.1.7.2 Decontamination Water. All decontamination fluids were contained and disposed of at the on-site WWTP.

2.1.8 Field Documentation

All aspects of the Soil – SI field activities were permanently recorded so that information obtained and decisions made during field activities could be reproduced and future events could benefit from the information gained. The primary source of field documentation was the field book. All field activities performed and observations made during sample collection activities were documented in the field books. Documentation recorded in the field book was performed according to the procedure detailed in Section 17.0 of the FQAPP. The secondary source of field documentation is the sample screening sheets. The sample screening sheets contain (on one sheet of paper) all pertinent soil classification and analytical sample justification information. The sample screening sheets have been bound by former operational area according to AOC. The total number of field books generated was 41 and the number of sample screening sheets exceeds 5,000. The field documentation is not submitted as part of the Soil – SI due to the volume of information, however it can be made available upon request.

2.2 GEOPHYSICAL INVESTIGATION

Electromagnetic (EM) and ground penetrating radar (GPR) geophysical methods were used during the Soil – SI to help define subsurface conditions at site features that potentially had buried environmental concerns or explosive hazards pursuant to N.J.A.C. 7:26E-3.6. The geophysical work was subcontracted to Earth Resources Technology (ERT), Inc. Appendix C contains ERT's report that details the investigation and specific instrumentation used. The following is a list of AOCs investigated with geophysical methods:

AOC Designation	AOC Name	Operational Area
B13-2	Gravel Pit	TNT

AOC Designation	AOC Name	Operational Area
G9-4	Buried Drum Area	Maintenance
K5-1	Former Drum Disposal Area	Development
K5-2*	Pond	Development
K6-1*	Debris Area	Development
M8-1	Disposal Area	B-Line
N6-1	Disposal Area	Storage

* AOCs K5-2 and K6-1 were combined and investigated together in ERT's report.

Section 8.0 of this report presents the details and finding of ERTs report.

2.3 SURVEY METHODS

All screening and analytical sampling locations were surveyed as part of the Soil – SI as required by the Technical Requirements, N.J.A.C. 7:26E. Surveying was accomplished using a combination of global positioning system (GPS) and traditional electronic distance measurement (EDM) equipment. Combined survey methods were necessary because communication with GPS satellites was blocked at various locations by existing structures and physiographic features, thus requiring conventional survey methods to obtain survey data. The horizontal survey control references the New Jersey State Plane coordinate system and the vertical survey control references the North American Vertical Datum (NAVD 1988).

2.4 HEALTH AND SAFETY

The field activities conducted were performed according to the health and safety requirements of the *Final Site-Specific Health and Safety Plan* (Montgomery Watson, 1999c).

Personnel involved in site activities conducted at the facility received initial or refresher E&E compound safety education prior to commencement of work. The site E&E compound safety education was directed by the MWH project safety officer (PSO) and the Hercules PSO. This education was designed to provide employees with a thorough knowledge of and the

ability to identify E&E compounds that could potentially be encountered on-site. All personnel new to the site were required to receive this training before they were permitted to undertake field activities.

2.5 SOIL – SI REPORT

This report is prepared in accordance with the N.J.A.C. 7:26E3.13 (NJDEP, 1997a). In addition to the hardcopy information presented in this report, an Electronic Database Deliverable (EDD) will be submitted with this report which meets the requirements of the NJDEP Electronic Data Interchange (EDI) submittal format.

The analytical laboratory data was reduced and validated in accordance with Section 4.0 of the *Revised Analytical Quality Assurance Project Plan (AQAPP)* (Montgomery Watson, 1999b). In accordance with Section 4.2 of the AQAPP, data validation indicates any limitations or qualifications concerning the use of laboratory data documented by the data validator. Deliverables include hard copies and electronic files of the data as specified in Section 9.0 of the AQAPP.

3.0 DATA QUALITY CONTROL

This section is a summary of the quality control review results for samples collected from September 1999 to August 2000, in support of the facility-wide site soils investigation at the Kenvil Works Facility, Kenvil, New Jersey. GPL performed the chemical analyses of all samples. The samples were validated in accordance with the National Functional Guidelines for Inorganic Data Review (USEPA 1994), the National Functional Guidelines for Organic Data Review (USEPA 1999), and Explosives Residue Standard Operating Procedure (USEPA Region II 1994) as applicable to SW-846 analyses. Appendix B presents the data validation notes for each sample delivery group (SDG) pertaining to the Soil – SI. The field samples and associated quality control samples were analyzed for the following parameters:

- Volatile organic compounds (VOCs) by SW-846 8260B
- Semivolatile organic compounds (SVOCs) by SW-846 8270C
- Pesticides/Polychlorinated biphenyls (PCBs) by SW-846 8081 and 8082, respectively
- Metals by SW-846 6010/7471
- Pentaerythritol Tetranitrate (PETN) by SW-846 8330
- Nitrate by USEPA method 353.2
- Diazodinitrophenol (DDNP) by SW-846 8330
- Nitrocellulose by GPES-SOP 11.73
- Percent solids by method D2216
- Nitrate/nitrite - N by method E353.2
- pH by method SW-9045C
- Total petroleum hydrocarbon (TPH) by method 8015
- Ammonia as N by method E350.3
- Total organic carbon (TOC) by method SW-9060
- Nitroglycerin by SW-846 8332
- Total recoverable phenolics by method SW-9065
- Explosives by SW-846 8330

The quality of the data was assessed according to the USEPA's PARCC (precision, accuracy, representativeness, comparability and completeness) parameters. These criteria were used to

identify unacceptable or biased data that could result in corrective actions being implemented, or otherwise require qualification of the data. The following is a brief summary of the data quality evaluation and resulting qualification of the results, as applicable.

3.1 PRECISION AND ACCURACY

Precision and accuracy were evaluated based on the quality control results generated from laboratory matrix spike and matrix spike duplicate (MS/MSD) samples, laboratory duplicates, laboratory control samples (LCS), internal compounds and surrogate spike compounds. In addition, initial and continuing calibration results were used to assess accuracy.

Analyses that failed to meet precision or accuracy limits established in the AQAPP, or defined by the laboratory if not specified in the AQAPP, were assigned a data qualifier in accordance with the USEPA functional guidelines or Region II SOP as appropriate. As specified in the Region II Standard Operating Procedures (SOP) for Explosives Residues (US USEPA Region II 1994), there were several samples that were qualified as rejected ('R') for explosives, due to the column percent difference between the primary and secondary column exceeding limits specified in the Region II SOP. As defined in the Region II SOP, the 'R' qualification deems the data unusable. Table 5-54 of Volume II presents analytical samples with rejected concentrations or with concentrations exceeding the calibration range of the instrumentation as well as corrective action to be taken at each AOC.

3.1.1 Matrix Spikes/Matrix Spike Duplicate

Matrix spike samples were collected in the field and sent to the laboratory along with the field samples. If a field sample was not designated as a matrix spike and matrix spike duplicate for a particular analysis, the laboratory provided matrix spike results from the analytical batch, which were then used to assess accuracy. Data were then qualified in accordance with the functional guidelines, or the Region II SOP in cases where the accuracy limits were not met.

3.1.2 Laboratory Duplicates

Laboratory duplicates were analyzed as appropriate throughout the analytical program, with the exception of the explosives residues. While the Region II SOP specifies a review of laboratory duplicate data for the explosives' analyses, the laboratory did not include a laboratory duplicate as part of their internal quality control program. However, field duplicates were collected for E&E analysis at the frequency specified in the AQAPP and were sent to the laboratory to be analyzed. In general, it is more difficult to collect a duplicate field sample and retrieve acceptable results than it is for the laboratory to analyze a sub-sample of a sample and retrieve acceptable results. Thus, the amalgamation of laboratory duplicates and field duplicates ensured that the quality of data was not impacted by the lack of laboratory duplicates, and also enabled laboratory and field precision to be reviewed during data validation. Field data associated with a laboratory duplicate that failed to meet precision criteria were qualified as estimated in the data packages.

3.1.3 Laboratory Control Samples

Laboratory control samples were analyzed by the laboratory at the appropriate frequency throughout the project. Low or unacceptable LCS results led to qualification of laboratory data as specified in the Region II SOP and USEPA functional guidelines.

3.1.4 Surrogate Recoveries

Surrogate spikes were introduced into samples as required in the analytical methods. Surrogate recoveries that were outside control limits were qualified as estimated in accordance with the Region II SOP and USEPA functional guidelines.

3.1.5 Calibration

Initial and continuing calibration results were reviewed against specific analytical method criteria. Calibration results that were outside acceptable limits were then qualified for the particular failing compounds, in accordance with the USEPA functional guidelines and/or the Region II SOP. Table 5-54 of Volume II presents analytical samples with rejected

concentrations or with concentrations exceeding the calibration range of the instrumentation as well as corrective action to be taken at each AOC.

The laboratory's SOP for E&E analysis differed slightly from the EPA Region II SOP to accommodate specific laboratory requirements. The initial calibration for explosives residues required in the Region II criteria specifies triplicate injection of each of the five calibration levels. The initial calibration provided in the data packages consisted of a single, six-point calibration. Data were not qualified due to the laboratory employing different calibration criteria than that specified in the Region II SOP. However, analytical instrumentation was calibrated and met method criteria, and the laboratory performed routine quality control checks during analysis of the samples; thus no impact of the data was identified.

3.2 REPRESENTATIVENESS

Representativeness was evaluated through the analysis of laboratory method blank samples, field blank samples, and trip blank samples. Analysis of these types of samples was important to distinguish between ambient sampling and analytical levels, and actual site contamination. There were no major problems identified in any of the blanks. Blank data were used to further qualify associated field data if applicable. Data results that were less than five times the associated method blank result were qualified as undetected, 'U' for several samples, most notably during review of the metals data.

3.3 COMPLETENESS

Data completeness was evaluated based on the samples requested on the chain-of-custody documentation and the samples reported by the laboratory.

The following anomalies were noted during the completeness review:

- SDG 9909187 - The laboratory did not analyze field blank (FB-UD-03) for SVOCs due to grossly exceeded holding times.
- SDG 9909211 - A trip blank was analyzed for VOCs but was not on the COC.

- SDG 9911037 - Nitroso-di-methylamine was not analyzed or reported for sample FB-18 as noted in the laboratory narrative.

The completeness requirement set forth in the AQAPP was 100%, the completeness was greater than 99%, thus considered met for the project.

3.4 COMPARABILITY

Comparability was achieved by analyzing the samples according to the specified standard methods, reporting limits and holding times for both extraction and analysis. The laboratory analyzed the field samples in accordance with the methods specified in the AQAPP. Reporting limits were met with the following exceptions in several samples:

- Soil matrix: antimony, 2,4-dinitrophenol, 4-nitrophenol
- Water matrix: antimony, selenium, zinc, 3,3'-dichlorobenzidine, 2,4-dinitrophenol, 4-nitrophenol, 3-nitrotoluene and nitroglycerin

The reporting limits provided by the laboratory were elevated if the sample was analyzed at a dilution. Data were not qualified based on elevated reporting limits.

There were several samples that were analyzed outside holding times, which were qualified as estimated if the sample was extracted or analyzed within two times the required holding time. If the sample holding time was over two times the method specification, the data were qualified as rejected, 'R'.

3.5 SUMMARY OF DATA QUALITY AND RELIABILITY

The evaluation of the data against PARCC criteria provided information on the data quality and reliability. As a result of this evaluation, all data are of known and acceptable quality, excluding rejected data as qualified based on the laboratory-established acceptance control limits or USEPA guidance. These data are considered valid and useable for decision-making purposes.

3.6 DATA QUALITY OBJECTIVES

The data quality objectives (DQOs) set forth in the AQAPP on Table 4-1 and the comparison of these DQOs with actual laboratory data results are summarized in the following table. Only DQOs specific to definitive data and resulting data validation are summarized.

DQO summary for data validation parameters

Parameter	Sample Media	DQO goal	Actual	DQO Met?	Comments
Sample documentation	Soil	100%	100%	Yes	
Chain-of-custody documentation	Soil	100%	100%	Yes	
Instrument calibration meets laboratory's specification	Soil	100%	100%	Yes	
Analyte identification and quantification	Soil	100%	100%	Yes	
Trip blanks for VOCs	Soil	1 per cooler	100%	Yes	
Instrument blanks	Soil	GC -every 10 samples GC/MS – every 12 hours Metals – every 10 samples	100% 100% 100%	Yes Yes Yes	
Laboratory method blank	Soil	1 per SDG	100%	Yes	
Rinseate samples	Soil	1 per day	100%	Yes	Sampled as appropriate.
Laboratory precision and accuracy	Soil	100% within established limits for MS, LCS, duplicates, surrogates	100% precision and accuracy performed by laboratory	Yes	Data exceeding precision and accuracy limits were qualified.
Laboratory MDLs<PQLs	Soil	100%	100%	Yes	
LCS samples	Soil	100% within established limits per SDG	100% LCS samples analyzed as specified in QAPP	Yes	Data exceeding limits were qualified.

Parameter	Sample Media	DQO goal	Actual	DQO Met?	Comments
MS/MSD samples	Soil	5%	100% each SDG or sample batch contained an MS/MSD	Yes	Data exceeding limits were qualified as specified in USEPA guidelines.
Field duplicates	Soil	10%	10%	Yes	

All analytical DQOs as set forth in the AQAPP were met. Data that exceeded limits for LCS and MS/MSD samples were qualified in accordance with USEPA functional guidelines or the Region II SOP.

4.0 BACKGROUND

This section describes the background concentrations of all constituents detected in the samples collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000. The background concentrations discussed in this section are based on 21 samples collected from portions of the facility that have never been utilized for manufacturing operations and represent native conditions. The samples were analyzed for the Priority Pollutant +40 List and E&E compounds. Tables 4-1A through 4-1E of Volume II present the comparison of the laboratory analyses of the background sample results to the NJSCC. Figure A-2 of Appendix A presents the Background Sampling Point Map.

The following embedded tables present the background concentration range of detected constituents detected that exceeded the NJDEP Residential Direct Contact Soil Clean-Up Criteria (RDCSCC) or Impact to Groundwater Soil Clean-Up Criteria (IGWSCC). The NJDEP RDCSCC and the IGWSCC were chosen as the basis for comparison because they represent the lowest concentration exposure scenario. Currently, there are no IGWSCC for metals.

Volatile Organic Compounds (VOCs)

Constituent	Minimum Concentration (ug/kg)	Maximum Concentration (ug/kg)	RDCSCC (ug/kg)	IGWSCC (ug/kg)
Benzene	ND	ND	3,000	1,000
Chlorobenzene	ND	566	37,000	1,000
Chloroform	ND	ND	19,000	1,000
Methylene Chloride	ND	ND	49,000	1,000
Trichloroethene	ND	ND	23,000	1,000

Semi-Volatile Organic Compounds (SVOCs)

Constituent	Minimum Concentration (ug/kg)	Maximum Concentration (ug/kg)	RDCSCC (ug/kg)	IGWSCC (ug/kg)
1,4-Dichlorobenzene	ND	ND	570,000	100,000
2,4-Dinitrophenol	ND	ND	110,000	10,000
2,4/2,6-Dintrotoluene	ND	ND	940	0.3
Acrylonitrile	ND	ND	1,000	1,000
Benzo(a)anthracene	28	45	900	500,000
Benzo(a)pyrene	28	300	660	100,000
Benzo(b)fluoranthene	210	360	900	50,000
Benzo(k)fluoranthene	180	230	900	500,000
Bis(2-ethylhexyl)phthalate	23	85	49,000	100,000
Butylbenzylphthalate	ND	ND	1,100,000	100,000
Chrysene	59	300	9,000	500,000
Dibenz(a,h)anthracene	ND	ND	660	100,000
Diethylphthalate	ND	ND	10,000,000	50,000
Di-n-butylphthalate	47	170	5,700,000	100,000
Indeno(1,2,3-c,d)pyrene	98	120	900	500,000
n-Nitroso-di-n-propylamine	ND	ND	660	10,000
n-Nitrosodiphenylamine	ND	ND	140,000	100,000

Metals

Constituent	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	RDCSCC (mg/kg)	IGWSCC (mg/kg)
Antimony	0.68	1.6	14	NA
Arsenic	1.9	18.6	20	NA
Beryllium	0.64	2.80	2	NA
Cadmium	ND	ND	39	NA
Copper	7	42	600	NA

Constituent	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	RDCSCC (mg/kg)	IGWSCC (mg/kg)
Lead	18.5	272	400	NA
Mercury	0.04	0.49	14	NA
Nickel	4.30	49.20	250	NA
Selenium	1.2	6.2	63	NA
Silver	ND	ND	110	NA
Thallium	ND	ND	2	NA
Zinc	18.3	199.0	1500	NA

Energetic and Explosives (E&E)

Constituent	Minimum Concentration (ug/kg)	Maximum Concentration (ug/kg)	RDCSCC (ug/kg)	IGWSCC (ug/kg)
2,4,6-Trinitrotoluene	ND	ND	21,000	40
HMX	ND	ND	3,900,000	NA
Nitroglycerin	ND	ND	46,000	NA
RDX	ND	ND	5,800	NA

Polychlorinated Biphenyls (PCBs)

Constituent	Minimum Concentration (ug/kg)	Maximum Concentration (ug/kg)	RDCSCC (ug/kg)	IGWSCC (ug/kg)
Total PCBs	ND	ND	490	50,000

The results of the background analysis determined that beryllium is present at the facility at concentrations (0.64 to 2.8 mg/kg) that exceed the NJDEP RDCSCC of 2 mg/kg. Therefore beryllium concentrations below 2.8 mg/kg in the operational areas of the facility are a result of natural conditions and do not warrant additional investigation as permitted by N.J.A.C. 7:26E-3.10(b).

The remainder of the constituents identified during the Soil – SI were present in the background samples at concentration ranges below the NJDEP soil clean-up criteria. This

indicates these constituents, when detected in the manufacturing areas at concentrations above the NDJEP soil clean-up criteria, are likely the result of historic facility operations.

5.0 ANALYTICAL RESULTS

The following sections describe the results and interpretation of the analytical samples collected as part of the Soil – SI. These sections are designed to comply with the intent of the Technical Requirements for reporting site investigation activities (N.J.A.C 7:26E-3.13). In addition, due to the volume of AOCs investigated and number of samples collected, the data have been tabulated in various formats to facilitate presentation and interpretation. The data tables are supported by figures to aid in data evaluation. The data tables and figures are discussed in detail below.

5.0.1 Organization of Analytical Results Presentation

The analytical results are presented by former operational area for discussion. The following information will be presented for each former operational area in this section:

- General Analytical Results Discussion
- Frequent Exceedance Constituent (FEC) Identification
- Frequent Exceedance Constituent Postings Map Discussion
- Summary

General Analytical Results Discussion

The general analytical result section presents the discussion of the analyses performed on the samples collected for laboratory analysis. Tables 2-1 through 2-13 of Volume II present the complete list of laboratory analyses performed on each sample submitted to the laboratory. Table 2-14 and 2-15 of Volume II presents the analyte list by AOC type (specified in section 1 of this report), and a list of constituents analyzed per analytical group. Tables 5-1A through 5-13E of Volume II present the complete comparison of laboratory analytical results to the New Jersey Soil Cleanup Criteria (NJSCC).

The analytical results for soil samples collected during the Soil – SI were compared to the following NJSCC:

- Residential Direct Contact Soil Cleanup Criteria (RDCSCC)

- Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC)
- Impact to Groundwater Soil Cleanup Criteria (IGWSCC) (organic constituents only)

Currently, New Jersey does not provide RDCSCC, NRDCSCC, or IGWSCC for pentaerythritol tetranitrate (PETN), diazodinitrophenol (Diazo), and nitrocellulose (NC). PETN and Diazo represent minor site constituents and may only be present at a few AOCs. Site-specific clean-up standards will be calculated for these constituents and submitted to the NJDEP prior to initiating remedial efforts.

Frequent Exceedance Constituent Identification

Frequent Exceedance Constituent are defined for the purpose of this report as constituents with detected concentrations exceeding the RDCSCC at a high relative frequency per former operational area. However, the frequency of IGWSCC exceedances were also used in the determination of FECs to a lesser extent. The establishment of FECs was to facilitate a side-wide understanding of the most common constituents that exceed the NJSCC and will be utilized to drive future remedial measures at the facility. The list of FECs was not intended or used as a screening mechanism to eliminate any AOCs from further action/remediation (FA). All AOCs with SCC exceedances will be addressed in accordance with N.J.A.C. 7:26E. Only AOCs identified as no further action (NFA) will be eliminated from subsuequent phases of the facility wide restoration strategy presented in Figure 1-1 of Volume I.

FECs are identified for each former operational area and are presented in this section of the text. The FECs vary among former operational areas because each area utilized product specific ingredients and manufacturing techniques. The identification of FECs exceeds the typical requirements of a site investigation and begins to fulfill the requirements of a remedial investigation. This is being done as part of the Soil – SI to facilitate future efforts of the facility-wide restoration strategy.

The FECs identified at the various former operational areas include the following:

- Polyaromatic Hydrocarbons (PAHs) (benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; indeno(1,2,3-cd)pyrene)
- Polychlorinated Biphenyls (PCBs)
- 2,4/2,6-Dinitrotoluene (DNT)
- 2,4,6-Trinitrotoluene (TNT)
- Arsenic
- Lead
- Copper
- Mercury
- Nitroglycerin (NG)

The potential sources of the FECs are generally consistent across the facility and are described below. While not all FECs were reported in all former operational areas, the sources of individual FECs generally did not vary among former operational areas. Therefore, the discussion of potential sources is not repeated in the individual discussions for each former operational area.

- Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene: These PAHs are believed to be related to the extensive use of fly ash that may have been imported from off-site or from areas where burning of materials took place. The fly ash was historically used to modify the grade of the facility to support the expansion of manufacturing activities.
- Total PCBs (limited to the Maintenance Area): The PCBs are believed to be the result of transformer repair operations that were likely conducted within this area.
- 2,4/2,6-Dinitrotoluene (DNT): DNT has two primary usages associated with the facility. First, DNT is a common component of smokeless gunpowder used in various amounts to control the rate of burn or strength of the gunpowder. Second, DNT was an intermediate constituent in the manufacture of TNT.
- 2,4,6-Trinitrotoluene (TNT) (limited to the TNT Area): TNT was the commercial/military product manufactured within this area.

- Nitroglycerin (NG): NG is a key ingredient historically used in the manufacture of dynamites and smokeless gunpowder.

- Arsenic: Arsenic is a key ingredient historically used in industrial grade herbicides. Herbicides were used extensively at E&E manufacturing facilities to control and/or eliminate ground level vegetation. Ground level vegetation was controlled and/or eliminated to prevent the spread of small fires, limiting the potential for catastrophic destruction of property and loss of life.

- Lead: Lead was utilized widely throughout the facility in E&E manufacturing structures. Lead is a non-conductive and non-sparking metal that was used to coat structure surfaces and process equipment to reduce the potential of accidental ignition of E&E compounds.

- Copper and mercury (limited to the Development Area and Former Burning Grounds): Mercury was mainly identified adjacent to the laboratories within the Development Area and is a common component of laboratory equipment. Copper was mainly identified within the Former Burning Grounds and is likely to have resulted from the thermal decontamination of process equipment conducted at this AOC.

Frequent Exceedance Constituent Postings Map Discussion

Postings maps were created for each FEC identified and are presented per former operational area in Appendix A. The FEC postings maps are discussed in this section in general terms, limiting the discussion to major areas of RDCSCC exceedances.

The FEC postings maps represent the preliminary attempt to define the areal extent of commonly detected constituents exceeding the IGWSCC, RDCSCC, or NRDCSCC. Each FEC postings map presents the sample ID and associated analytical result in the following categorized groups to aid in presentation:

- Sample ID and associated analytical result exceeding the IGWSCC, highlighted in Green.

- Sample ID and associated analytical result not exceeding the IGWSCC, but exceeding the RDCSCC and less than the NRDCSCC, highlighted in Blue.

- Sample ID and associated analytical result not exceeding the IGWSCC, but exceeding the NRDCSCC, highlighted in Red.

- Sample ID and associated nondetected analytical result (method detection limit) exceeding the IGWSCC, RDCSCC, or NRDCSCC (Table 5-53 of Volume II), highlighted in Brown.

- Sample ID and associated rejected or "E" qualified (concentration exceeded the calibration range of the instrumentation) analytical result (Table 5-54 of Volume II), highlighted in Purple.

- Sample ID and associated detected/nondetected analytical result less than the IGWSCC, RDCSCC, or NRDCSCC, highlighted in Grey.

The associated sample interval and/or matrix code per analytical sample can be found in the following documents:

- Tables 5-1 (A-D) through 5-13 (A-E) of Volume II, presents the complete comparison of laboratory analytical results to the NJSCC (e.g., Tables 5-1A through 5-1D present the VOC, SVOC, E&E, and metals analytical results, respectively, for the TNT Area).

- Tables 5-14 through 5-26 of Volume II, presents compounds reported at detected concentrations exceeding the NJSCC for each AOC, organized by operational area (e.g., Tables 5-14A through 5-14C present SVOC, E&E, and metal exceedances, respectively, for the TNT Area).

***Note**: The constituent DNT was incorporated in two analytical groups and analyzed utilizing two separate methodologies in samples analyzed for SVOCs and/or E&E compounds: as a SVOC (method SW-846-8270C using Gas Chromatograph/Mass Scpectrograph (GC/MS) techniques, referenced in text, tables, and figures as DNT - SVOC) and as an E&E (method SW-846-8330 using High Performance Liquid Chromatograph (HPLC) techniques, referenced in text, tables, and figures as DNT – E&E). While both methods, HPLC and GC/MS, are accurate and acceptable, GC/MS is more accurate than HPLC and will be the selected analytical method when delineating areas containing 2,4/2,6-DNT in the RI.*

Summary

This section presents the objectives of the Soil – SI. The summary section of each former operational area presents the results of the AOC categorization process described in Section 1.1. Each AOC is placed into one of the following categories:

- AOCs requiring no further action (NFA). NFA is requested for AOCs identified not to have constituents within the soil exceeding any of the NJDEP Soil Clean-up Criteria (NJSCC).

- AOCs requiring further action (FA) and additional investigation. AOCs that have identified constituents within the soil exceeding at least one of the NJSCC will continue through the facility-wide restoration strategy as depicted in Figure 1-1 of Volume I. This category is subdivided into the following subcategories:

  - AOCs suitable for Single Phase Remediation. These are AOCs where the remedial action is suitable to be conducted concurrently with sampling efforts to delineate the contamination and to confirm contaminant removal. AOCs suitable for Single Phase Remediation will be identified and discussed with the NJDEP prior to initiating any remedial activity.

  - AOCs reserved for the Remedial Investigation (RI). AOCs were placed in this subcategory based on field observations determining that various facility related constituents would exceed the NJDEP RDCSCC.

Tables 5-27 through 5-39 of Volume II present the area specific AOC justification for no further action (NFA). Tables 5-40 through 5-52 of Volume II present the area specific AOC justification for further action (FA), Single Phase Remediation, and reserved for the RI.

Appendix A Area of Investigation figures present the AOCs located within each operational area which require NFA or FA. Each NFA/FA figure presents the AOCs per operational area with detected analytical results in the following categorized groups to aid in presentation:

- FA AOCs with associated detected analytical results exceeding the IGWSCC, highlighted in Green.

- FA AOCs with associated detected analytical results not exceeding the IGWSCC, but exceeding the RDCSCC and less than the NRDCSCC, highlighted in Blue.

- FA AOCs with associated detected analytical results not exceeding the IGWSCC, but exceeding the NRDCSCC, highlighted in Red.

- FA AOCs reserved for the remediation investigation (RI) are highlighted in Pink.

- NFA AOCs with associated detected analytical results less than the IGWSCC, RDCSCC, or NRDCSCC, highlighted in Grey.

FA AOCs suitable for Single Phase Remediation are not indicated by group with a specific color on the Appendix A figures. They are included in Appendix A figures and are denoted by color depending on detected analytical sample results exceeding the specific SCC.

Site-specific clean-up criteria are likely to be established for the facility. Following NJDEP acceptance of any site-specific clean-up criteria, AOCs may be moved from the further action category and associated further action subcategories to the NFA category.

5.0.2 Organization of Data Tables

The SI analytical results are presented in two types of tables, including:

- Support tables, presented in the "Tables" section of this Soil - SI Report, in Volume II and Volume III
- Embedded tables included within the text of Section 5.0

These two types of tables serve different purposes in presenting the results of the Soil – SI. The support tables included in the "Tables" section of the Soil - SI Report in Volume II and Volume III are complete data presentations, as described below:

- Tables 2-1 through 2-13 of Volume II present Sampling Plans for AOCs in each former operational area, (e.g., Table 2-1 presents the sampling plan for AOCs located within the TNT Area). Six AOCs which were selected for the geophysical investigation (discussed in Section 8.0 of this report) which did not have samples collected, are not included in the sampling plans, these include:
  - B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area.
- Table 2-14 of Volume II presents the analyte list by AOC type (specified in section 1.5 of this report).
- Table 2-15 of Volume II presents a list of constituents analyzed per analytical group.
- Tables 5-1A through 5-13E) of Volume III present complete comparisons of all analytical sample results to the NJSCC. These tables are organized by former operational area (discussed in section 1.4), and by analyte type within operational area, (e.g., Tables 5-1A through 5-1D present the VOC, SVOC, E&E, and metals analytical results, respectively, for the TNT Area). The associated sample interval and/or matrix code per analytical sample is included in these tables.

- Tables 5-14A through 5-26B of Volume II present compounds reported at detected concentrations exceeding the NJSCC for each AOC, organized by former operational area, (e.g., Tables 5-14A through 5-14C present SVOC, E&E, and metal exceedances, respectively, for the TNT Area). The associated sample interval and/or matrix code per analytical sample is included in these tables.

- Tables 5-27 through 5-39 of Volume II present the justification for NFA for each AOC where NFA was selected as appropriate, organized by former operational area (e.g., Table 5-27 presents NFA justifications for the TNT Area AOCs).

- Tables 5-40 through 5-52 of Volume II present the justification for FA for AOCs where FA was determined to be appropriate, organized by operational area (e.g., Table 5-40 presents FA justifications for the TNT Area AOCs). FA AOCs suitable for Singe Phase Remediation and FA AOCs reserved for the RI are included in these tables.

- Table 6-1 of Volume II presents AOC justification for FA for all AOCs reserved for the RI.

The tables embedded within the text of the various subsections in Section 5 are meant to serve as brief data summaries that provide a "snapshot" view of conditions within each former operational area. Three types of embedded tables are presented, including:

- Embedded tables that summarize the number of samples analyzed, and the number of samples with detected concentrations exceeding the NJSCC, for each analyte group per each former operational area

- Embedded tables that summarize the AOCs identified with FECs per analyte group and former operational area (The associated figures in Appendix A present the FECs identified per former operational area and associated sample Ids and analytical results per FEC.)

- Embedded tables that summarize the AOCs selected for NFA, FA, and FA subcategories for each operational area. AOCs selected for the geophysical investigation (discussed in Section 8.0 of this report), which were not sampled, are not included in the embedded tables of Section 5.0 and its subsections. These include:

  - B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area

5.1 TRINITROTOLUENE (TNT) AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the TNT Area. Figures A-3 and A-4 of Appendix A present the TNT Area Map and TNT Area Sampling Point Map, respectively.

5.1.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the TNT Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-1 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Tables 5-1A through 5-1D of Volume III present the comparison of laboratory analyses to the NJSCC. Tables 5-14A through 5-14C of Volume II present a summary of the NJSCC exceedances within the TNT Area. VOCs were not detected above any of the NJSCC in samples collected from the TNT Area.

Semi-Volatile Organic Compounds (SVOCs)

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	63	7	2	21
2,4-Dinitrophenol	63	0	0	1
Benzo(a)anthracene	63	2	1	0
Benzo(a)pyrene	63	3	3	0
Benzo(b)fluoranthene	63	2	0	0
Benzo(k)fluoranthene	57	1	0	0
Indeno(1,2,3-cd)pyrene	63	1	0	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	56	1	0	NA
Arsenic	56	3	3	NA

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Copper	56	2	2	NA
Lead	56	13	11	NA
Zinc	56	3	3	NA

Energetic and Explosives (E&E)

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dintrobenzene	43	1	0	8
2-Amino-4,6-Dinitrotoluene	43	2	0	13
4-Amino-2,6-Dinitrotoluene	43	3	0	0
2,4/2,6-Dinitrotoluene	43	10	5	14
2,4,6-Trinitrotoluene	43	4	4	22
Nitroglycerin	46	1	1	NA

5.1.2 FEC Identification

Three FECs were identified within the TNT Area, these include;

- 2,4,6-Trinitrotoluene (TNT), an E&E compound
- 2,4/2,6-Dinitrotoluene (DNT), an E&E and SVOC compound
- Lead, a metal compound

5.1.3 FEC Posting Map Discussion

The following paragraphs describe the FEC postings maps created for the TNT Area.

TNT & DNT

Figures A-6, A-7, and A-8 of Appendix A present the TNT, DNT - E&E, and DNT - SVOC postings maps respectively. TNT and DNT exhibit similar RDCSCC exceedance patterns within the TNT Area. TNT was found exceeding the RDCSCC in 4 discrete areas. DNT - E&E was found exceeding the RDCSCC in 8 discrete areas. DNT - SVOC was found exceeding the RDCSCC in 6 discrete areas. The exceedances are primarily associated with

former manufacturing structures. Soil samples collected from the following AOCs contained TNT and DNT at concentrations exceeding the RDCSCC:

TNT

A12-8	B10-503	B11-663	B13-724

DNT – E&E

A12-8	B10-503	B10-506	B11-663	B12-237	B13-682
B13-724	B13-757				

DNT – SVOC

B10-503	B10-506	B11-602C	B12-237	B13-682	B13-724

Lead

Figure A-9 of Appendix A presents the Lead postings map. Lead was found exceeding the RDCSCC in 11 discrete areas. Similar to TNT and DNT, Lead is primarily associated with former manufacturing structures. Soil samples collected from the following AOCs contained Lead at concentrations exceeding the RDCSCC:

Lead

A11-1	A11-9	A12-8	A13-1	B10-20	B11-602C
B12-237	B9-2	C10-440	C10-466	C8-1	

5.1.4 Summary

The following tables present the categorization of the TNT Area AOCs. Table 5-27 of Volume II contains the justification for requesting no further action (NFA). Table 5-40 of Volume II provides the justification for requiring further action (FA) and FA subcategories. Figure A-5 of Appendix A presents the AOCs located within the TNT Area which require NFA or FA.

AOCs Requesting No Further Action (NFA)

A10-2	A10-3	A10-516	A11-3	A12-3	A12-4
A12-5	A12-6	A13-753	B10-3	B10-4	B11-2
C10-438					

AOCs Requiring Further Action (FA)

A11-1	A11-570	A11-8	A11-9	A12-7	A12-8
A13-1	B10-20	B10-503	B10-506	B10-656	B11-513
B11-523	B11-602C	B11-663	B12-237	B12-3	B12-450
B13-682	B13-724	B13-757	B13-8	B9-2	C10-432
C10-440	C10-466	C8-1			

FA AOCs Reserved for the RI

A11-2	A11-4	A11-5	A11-504	A11-7	A12-1
A12-426	A13-625	B10-2	B10-5	B10-501	B10-502
B10-505	B10-508	B10-509	B10-6	B12-1	B12-234
B13-1	C10-439				

5.2 DYNAMITE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Dynamite Area. Figures A-10 and A-11 of Appendix A present the Dynamite Area Map and Dynamite Area Sampling Points Map, respectively.

5.2.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Dynamite Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-2 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Tables 5-2A through 5-2E of Volume III present the comparison of laboratory analyses to the NJSCC. Tables 5-

15A through 5-15D of Volume II present a summary of the NJSCC exceedances within the Dynamite Area. PCBs were not detected above any of the NJSCC in samples collected from the Dynamite Area.

Volatile Organic Compounds (VOCs)

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Methylene Chloride	6	0	0	1

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	194	2	2	18
Benzo(a)anthracene	194	5	2	0
Benzo(a)pyrene	194	6	6	0
Benzo(b)fluoranthene	194	9	2	0
Benzo(k)fluoranthene	194	2	1	0
Chrysene	194	1	0	0
Dibenz(a,h)anthracene	194	1	1	0
Indeno(1,2,3-cd)pyrene	194	3	1	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Arsenic	187	30	30	NA
Copper	187	3	3	NA
Lead	187	16	12	NA
Thallium	187	3	3	NA
Zinc	187	4	4	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2-Amino-4,6-Dinitrotoluene	100	0	0	6
2,4/2,6-Dinitrotoluene	100	2	1	12
2,4,6-Trinitrotoluene	100	2	1	8

5.2.2 FEC Identification

Two FECs were identified within the Dynamite Area, these include;

- Arsenic, a metal compound
- Lead, a metal compound

5.2.3 FEC Posting Map Discussion

The following paragraphs describe FEC postings maps created for the Dynamite Area.

Arsenic

Figure A-13 of Appendix A presents the Arsenic postings map for the Dynamite Area. Arsenic was found exceeding the RDCSCC in 24 discrete areas. The occurrence of Arsenic is primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs contained Arsenic at concentrations exceeding the RDCSCC:

Arsenic

C13-262B	D11-B232	D12-209B	D12-289	D13-268	D13-303F
D14-204B	E11-12	E11-2064	E11-52	E11-7	E11-R2
E12-286B	E12-286D	E12-325B	E13-2074	E13-2076	E13-325
E14-2020	F11-54	F12-2026A	F12-2075	F12-2075A	F12-2221

Lead

Figure A-14 of Appendix A presents the Lead postings map for the Dynamite Area. Lead was found exceeding the RDCSCC in 16 discrete areas. The occurrence of Lead is primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs contained Lead at concentrations exceeding the RDCSCC:

Lead

C12-274	C12-3	C12-4	C12-5	C13-282B	D11-208A
D11-218C	D12-286A	D12-289	D13-265A	D13-268	D14-204B
D14-667	E11-218B	E11-7	F12-8206		

5.2.4 Summary

The following tables present the categorization of the Dynamite Area AOCs. Table 5-28 of Volume II contains the justification for requesting NFA. Table 5-41 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-12 of Appendix A presents the AOCs located within the Dynamite Area which require NFA or FA.

AOCs Requesting NFA

B12-422	B13-7	B14-128	B14-3	C12-1	C12-8229
C13-133	C13-2	C13-263C	C13-3	C13-742	C14-121
C14-125	C14-2	D11-7	D12-1	D12-2073	D12-208D
D12-3	D13-2	E10-2	E10-3	E11-1	E11-11
E11-2	E11-207B	E11-2083	E11-4	E11-5	E11-8
E11-8228	E12-130E	E12-2081	E12-298B	E12-6	E12-9317
E13-1	E13-2040	E13-2074A	E13-2078	E13-3	E13-5
E14-668	F11-79C	F12-191	F12-3	F12-6	F12-R1
F13-1	F13-2077	F13-236B	F13-8209	F13-8230	

AOCs Requiring FA

B13-262A	C12-274	C12-275	C12-418	C13-1	C13-262B
C13-282B	C14-1	C14-4	D11-208A	D11-218C	D11-B232
D12-209B	D12-282A	D12-286A	D12-289	D13-264A	D13-264B
D13-265A	D13-268	D13-273B	D13-3	D13-303F	D14-120
D14-129	D14-204B	D14-360	D14-6	D14-667	E10-1
E11-12	E11-2064	E11-218B	E11-52	E11-6	E11-7
E11-R2	E12-286B	E12-286D	E12-325B	E13-2074	E13-2076
E13-325	E14-2020	F11-54	F12-2026A	F12-2039	F12-2075
F12-2075A	F12-2221	F12-8206			

FA AOCs Suitable for Single Phase Remediation

C12-3	C12-4	C12-5

FA AOCs Reserved for the RI

C13-666

5.3 NITROGLYCERIN (NG) AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the NG Area.

Note: The PETN Area was combined with the NG Area for map presentations. These areas were combined because the PETN Area is very small and occupies the same physiographic region of the facility as the NG Area. Figures A-15 and A-16 of Appendix A present the NG and PETN Area Map and NG and PETN Sampling Point Map, respectively.

5.3.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the NG Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included.

Table 2-3 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Tables 5-3A through 5-3E of Volume III present the comparison of laboratory analyses to the NJSCC. Tables 5-16A through 5-16C of Volume II present a summary of the NJSCC exceedances within the NG Area. VOCs and PCBs were not detected above any of the NJSCC in samples collected from the NG Area.

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	149	1	1	25
Benzo(a)anthracene	149	10	3	0
Benzo(a)pyrene	149	13	13	0
Benzo(b)fluoranthene	149	12	4	0
Benzo(k)fluoranthene	149	6	0	0
Bis(2-ethylhexyl)phthalate	149	1	0	0
Dibenz(a,h)anthracene	149	2	2	0
Indeno(1,2,3-cd)pyrene	149	6	2	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	143	1	0	NA
Arsenic	143	26	26	NA
Copper	143	1	1	NA
Lead	143	39	32	NA
Thallium	143	2	2	NA
Zinc	143	1	1	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	87	0	0	2

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2-Amino-4,6-Dinitrotoluene	87	0	0	4
2,4/2,6-Dinitrotoluene	87	5	0	9
2,4,6-Trinitrotoluene	87	3	3	8

5.3.2 FEC Identification

Two FECs were identified within the NG Area and one FEC was identified within the PETN Area. These include;

- Arsenic and Lead, metal compounds, in the NG Area
- Lead, a metal compound, in the PETN Area

5.3.3 FEC Posting Map Discussion

The following paragraphs describe the FEC postings maps created for the NG and PETN Areas.

Arsenic

Figure A-18 of Appendix A presents the Arsenic postings map for the NG Area. Arsenic was found exceeding the RDCSCC in 22 discrete areas within the NG Area. The occurrence of Arsenic is primarily associated with the former manufacturing structures within the NG Area. Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

B11-1	C10-13	C11-1	C11-10	C11-12	C11-19
C11-30	C11-8	C11-9	D10-165B	D10-2007	D10-2227
D10-2230A	D10-2349	D10-4	D10-5	D10-6	D10-8234
D10-8284	E10-2169	E10-4	E10-8277		

Lead

Figure A-19 of Appendix A presents the Lead postings map for the NG and PETN Areas. Lead was found exceeding the RDCSCC in 32 discrete areas within the NG Area, frequently coinciding with locations where Arsenic exceeded the RDCSCC. The occurrence of Lead is primarily associated with the former manufacturing structures, a large area of stressed vegetation (C11-4), and one former pond (E10-5). Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC:

Lead

B10-511	B11-1	B11-11	B11-2044	B11-6	C10-12
C10-13	C10-211C	C10-5	C10-7	C11-10	C11-12
C11-15	C11-18	C11-2233	C11-4	C11-8	D10-1
D10-164B	D10-165B	D10-2041	D10-2230	D10-251	D10-4
D10-6	D10-8234	D11-3	D9-4	E10-2177	E10-5
E10-618A	E10-8277				

5.3.4 Summary

The following tables present the categorization of the NG Area AOCs. Table 5-29 of Volume II contains the justification for requesting NFA. Table 5-42 of Volume II provides the justification for requiring further action FA and FA subcategories. Figure A-17 of Appendix A presents the AOCs located within the NG and PETN Area which require NFA or FA.

AOCs Requesting NFA

B11-3	B11-4	B11-5	B11-9	C10-1	C10-241A
C10-241C	C11-22	C11-2233C	C11-23	C11-24	C11-25
C11-28	C11-28A	C11-29	C11-4A	C11-4B	C11-N3
D10-11	D10-13	D10-15	D10-16	D10-18	D10-21
D10-22	D10-2227E	D10-2228	D10-2233	D10-2233A	D10-2233B
D10-2233C	D10-2233D	D10-2233E	D10-23	D10-24	D10-24A

D10-25	D10-26	D10-27	D10-3	D10-8	D10-9119
D10-N4	D11-112	D11-20	D11-21	D11-8572A	D11-8572B
D9-2	D9-2229	D9-3	D9-5	D9-8284	D9-N1
E10-2031B	E10-2031C	E10-2314	E10-9		

AOCs Requiring FA

B10-511	B10-7	B11-1	B11-11	B11-2044	B11-2044C
B11-6	C10-10	C10-12	C10-211C	C10-5	C10-7
C11-1	C11-10	C11-12	C11-15	C11-18	C11-19
C11-2233	C11-2233D	C11-27	C11-30	C11-4	C11-8
C11-9	D10-10	D10-14	D10-164B	D10-165B	D10-2007
D10-2041	D10-2227	D10-2230	D10-2230A	D10-2231	D10-2349
D10-241B	D10-251	D10-4	D10-5	D10-6	D10-8234
D10-8284	D11-3	D9-4	D9-8279	D9-9108	E10-2169
E10-2169A	E10-2177	E10-4	E10-5	E10-618A	E10-8277

FA AOCs Suitable for Single Phase Remediation

C10-13	C11-7	D10-1

FA AOCs Reserved for the RI

C11-8572C	C11-8572D	D11-2031

5.4 PENTAETHRITOL TETRANITRATE (PETN) AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the PETN Area.

Note: The PETN Area was combined with the NG Area for map presentations. These areas were combined because the PETN Area is very small and occupies the same physiographic region of the facility as the NG Area. Figures A-15 and A-16 of Appendix A *present the NG and PETN Area Map and NG and PETN Sampling Point Map, respectively.*

5.4.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the PETN Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-4 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-4A through 5-4D of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-17A through 5-17C of Volume II present a summary of the NJSCC exceedances within the PETN Area. VOCs were not detected above any of the NJSCC in samples collected from the PETN Area.

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	9	1	1	3
Benzo(a)anthracene	9	1	0	0
Benzo(a)pyrene	9	1	1	0
Benzo(b)fluoranthene	9	2	0	0
Benzo(k)fluoranthene	9	1	0	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	8	1	0	NA
Arsenic	8	3	3	NA
Copper	8	1	1	NA
Lead	8	6	6	NA
Zinc	8	1	1	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	10	0	0	2

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	10	3	1	5
2,4,6-Trinitrotoluene	10	0	0	3

5.4.2 FEC Identification

One FEC was identified within the PETN Area;

- Lead, a metal compound.

5.4.3 FEC Posting Map Discussion

Lead

Figure A-19 of Appendix A present the Lead postings map for the NG and PETN Areas. Lead was found exceeding the RDCSCC in 4 discrete areas within the PETN Area. The occurrence of Lead is primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC:

Lead

B10-2178	C10-2	C10-2179	C10-3

5.4.4 Summary

The following tables present the categorization of the PETN Area AOCs. Table 5-30 of Volume II contains the justification for requesting NFA. Table 5-43 of Volume II provides the justification for requiring FA. Figure A-17 of Appendix A presents the AOCs located within the PETN Area which require NFA or FA.

AOCs Requesting NFA

C10-15

AOCs Requiring FA

B10-2178	C10-2	C10-2176	C10-2179	C10-3	C10-4

5.5 DEVELOPMENT AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Development Area. Figures A-20 and A-21 of Appendix A present the Development Area Map and Development Area Sampling Point Map, respectively.

5.5.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Development Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-5 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-5A through 5-5E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-18A through 5-18E of Volume II present a summary of the NJSCC exceedances within the Development Area.

VOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Methylene Chloride	44	0	0	3

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	246	18	9	63
Benzo(a)anthracene	246	23	6	0
Benzo(a)pyrene	246	28	28	0
Benzo(b)fluoranthene	246	31	8	1
Benzo(k)fluoranthene	246	11	4	0

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Chrysene	246	3	1	0
Dibenz(a,h)anthracene	246	4	4	0
Indeno(1,2,3-cd)pyrene	246	10	3	0
n-Nitroso-di-n-propylamine	247	2	2	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	251	7	2	NA
Arsenic	251	47	47	NA
Cadmium	251	1	1	NA
Copper	251	21	21	NA
Lead	251	57	45	NA
Mercury	251	22	4	NA
Nickel	251	1	0	NA
Thallium	251	6	6	NA
Zinc	251	13	13	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	152	0	0	2
2-Amino-4,6-Dinitrotoluene	152	0	0	2
2,4/2,6-Dinitrotoluene	152	8	4	22
2,4,6-Trinitrotoluene	152	0	0	4
HMX	152	1	0	NA
Nitroglycerin	163	9	1	NA
RDX	152	3	1	NA

Polychlorinated Biphenyls (PCBs)

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Total PCBs	23	2	1	0

5.5.2 FEC Identification

Eight FECs were identified within the Development Area, these include:

- Three SVOC polycyclic aromatic hydrocarbons (PAHs) including Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene
- 2,4/2,6-Dinitrotoluene (DNT), an E&E and SVOC compound
- Arsenic, Copper, Lead, and Mercury, metal compounds.

5.5.3 FEC Posting Map Discussion

The following paragraphs describe the FEC postings maps created for the Development Area.

2,4/2,6-Dinitrotoluene (DNT)

Figures A-23 and A-24 of Appendix A present the DNT - E&E and DNT - SVOC postings maps for the Development Area. DNT – E&E was found exceeding the RDCSCC in 5 discrete areas within the Development Area. DNT – SVOC was found exceeding the RDCSCC in 14 discrete locations within the Development Area. The locations of exceedances are primarily associated with the former laboratories and the Old Burning Grounds (M5-3). Soil samples collected from the following AOCs have detected DNT at concentrations exceeding the RDCSCC:

DNT – E&E

H6-8130	I6-9210	L5-4	L5-6	M5-3

DNT – SVOC

G6-8244	H6-8130	H6-8246	H6-8250	H8-9221	I6-1

I6-5	I6-8192	J7-3	L5-4	L5-6	M5-3
M5-8166E	N4-2				

PAHs

Figures A-25, A-26, and A-27 of Appendix A present the PAH postings maps for the Development Area. The PAH FECs exhibited similar RDCSCC exceedance patterns within the Development Area. Benzo(a)anthracene was found exceeding the RDCSCC in 23 discrete areas, Benzo(a)pyrene in 27 discrete areas; and Benzo(b)fluoranthene in 29 discrete areas. The locations of the exceedances are primarily associated with the use of fly ash as fill material to improve the grade at the facility. Soil samples collected from the following AOCs have detected PAH FECs at concentrations exceeding the RDCSCC:

Benzo(a)anthracene

G6-2	G7-2347	G7-8249	H5-8181	H5-938	H6-8120
H6-8122	H7-8123A	H7-8143	H7-8255	I6-8171	I6-8171A
I6-8173	I6-9	I6-9215	J6-8134	J6-941A	J6-942A
K6-1	L5-9546	L6-370	L6-371	N5-6	

Benzo(a)pyrene

G6-2	G6-8128	G6-8129	G7-2347	G7-8249	H5-8181
H5-938	H6-8120	H6-8122	H7-606L	H7-8123A	H7-8143
H7-8255	I6-8171	I6-8171A	I6-8173	I6-9	I6-9215
J5-5	J6-8134	J6-941A	J6-942A	K6-1	L5-9546
L6-370	L6-371	N5-6			

Benzo(b)fluoranthene

G6-2	G6-8128	G7-2347	G7-8249	G8-2293	H5-8181
H5-938	H6-8120	H6-8122	H7-606L	H7-8123A	H7-8143
H7-8255	H7-916	I6-8171	I6-8171A	I6-8173	I6-9
I6-9215	J5-5	J6-3	J6-8134	J6-941A	J6-942A
K6-1	L5-9546	L6-370	L6-371	N5-6	

Arsenic

Figure A-28 of Appendix A presents the Arsenic postings map for the Development Area. Arsenic was found exceeding the RDCSCC in 38 discrete areas within the Development Area. These locations are associated with the former laboratories and the Old Burning Grounds (M5-3). Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

G6-8128	G6-8243	G6-8244	G7-2347	G7-8139	G7-8249
H5-4	H5-8126	H5-938	H6-8285	H7-13	H7-15
H7-606L	H8-2	H8-8102	I5-2	I5-3	I5-4
I5-8141	I6-1	I6-8125	I6-8132	I6-8171	I6-8171A
I6-8172	I6-8192	I6-9	I7-8	J6-2	J6-8133
J6-8167	J6-915	K6-9214	L5-10	L5-2275	L6-1
M5-3	N5-6				

Copper

Figure A-29 of Appendix A presents the Copper postings map for the Development Area. Copper was found exceeding the RDCSCC in 16 discrete areas within the Development Area. The locations are associated with the former laboratories and in particular the Old Burning Grounds (M5-3). Soil samples collected from the following AOCs have detected Copper at concentrations exceeding the RDCSCC:

Copper

G7-8139	H5-938	H6-8120	H7-8131	I5-2	I5-3
I5-8	I6-11	J6-9	L4-4	L5-4	L5-6
L6-9	M5-3	N4-2	N4-3		

Lead

Figure A-30 of Appendix A presents the Lead postings map for the Development Area. Lead was found exceeding the RDCSCC in 48 discrete areas within the Development Area. The locations are associated with the former laboratories, particularly the area of the former Ballistics Laboratory (H5-8126) and the Old Burning Grounds (M5-3). Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC:

Lead

G6-8128	G6-8129	G6-8243	G6-8244	G7-8139	G7-8249
H5-8126	H6-8120	H6-8130	H6-8152	H6-8245	H6-8250
H6-8285	H7-13	H7-8123A	H7-8255	I5-2	I5-3
I5-5	I5-8	I5-8170	I6-11	I6-8125	I6-8132
I6-8184	I6-8192	J5-5	J6-8133	J6-8136	J6-8167
J6-9	J7-3	K6-9214	L4-4	L5-1	L5-10
L5-2275	L5-4	L5-539	L5-6	L5-7	L5-8
L5-8318	L5-9546	L6-370	L6-9	M4-1	M5-3

Mercury

Figure A-31 of Appendix A presents the Mercury postings map for the Development Area. Mercury was found exceeding the RDCSCC in 19 discrete areas within the Development Area. The locations are primarily associated with the former laboratories. Soil Samples collected from the following AOCs have detected Mercury at concentrations exceeding the RDCSCC:

Mercury

G6-8129	G6-8242	H5-8126	H5-938	H6-8120	H6-8123B
H6-8127	H6-8130	H6-8152	H6-8285	H7-8123A	H7-8142
H7-8255	I6-11	I6-8125	I6-8183	J5-5	J6-9
L6-1					

5.5.4 Summary

The following tables present the categorization of the Development Area AOCs. Table 5-31 of Volume II contains the justification for requesting no NFA. Table 5-44 of Volume II provides the justification for requiring further action FA and FA subcategories. Figure A-22 of Appendix A presents the AOCs located within the Development Area which require NFA or FA.

AOCs Requesting NFA

G6-1	G6-4	G6-8261	G6-906	G6-9219	G7-8140
G7-E49	G8-8177A	G8-8178	H5-1	H5-2	H5-3
H5-8180	H5-8254	H6-1	H6-10	H6-11	H6-12
H6-4	H6-7	H6-8152A/H6-8152B		H6-8247	H6-8251
H6-8275	H6-862	H6-9	H6-918	H6-941C	H7-1
H7-10	H7-12	H7-2	H7-4	H7-5	H7-6
H7-8124	H7-8134	H7-8146	H7-8176	H7-8248	H7-8282
H8-8177	H8-8179	I5-1	I5-7	I5-8168	I5-8169
I6-3	I6-8	I6-8171C	I6-8174	I6-8175	I6-8181
I6-8263	I6-E4	J5-4	J6-1	J6-4	J6-5
J6-6	J6-8	J6-9200	K5-4	K5-9213	K6-2
K6-529	L5-11	L6-3	L6-4	L6-5	M4-2
M5-10	M5-11	M5-12	M5-13	M5-14	M5-15
M5-8166	M5-8166A-B-C		M5-8166D	N5-8	

AOCs requiring FA

G6-2	G6-3	G6-8128	G6-8129	G6-8242	G6-8243
G6-8244	G7-2347	G7-8139	G7-8249	G8-2293	H5-8126
H5-8181	H5-938	H6-8116	H6-8120	H6-8122	H6-8123B
H6-8127	H6-8130	H6-8152	H6-8245	H6-8246	H6-8250
H6-8285	H6-8520	H7-13	H7-15	H7-2172	H7-606L
H7-8123A	H7-8131	H7-8142	H7-8143	H7-8144	H7-8145

H7-8252	H7-8255	H7-9	H7-916	H8-2	H8-8102
H8-9221	I5-2	I5-3	I5-4	I5-5	I5-8
I5-8141	I5-8170	I6-1	I6-5	I6-8125	I6-8132
I6-8171	I6-8171A	I6-8172	I6-8173	I6-8183	I6-8184
I6-8192	I6-9210	I6-9215	I6-E3	I7-8	J5-5
J6-2	J6-2245	J6-3	J6-8133	J6-8134	J6-8136
J6-8167	J6-9	J6-915	J6-941A	J6-942A	K6-9214
K6-9217	K7-8651	L4-4	L5-1	L5-10	L5-2275
L5-2313	L5-4	L5-5	L5-539	L5-6	L5-7
L5-8	L5-8318	L5-9546	L6-1	L6-371	L6-9
M4-1	M5-3	M5-8166E	N4-2	N5-6	

FA AOCs Suitable for Single Phase Remediation

H5-4	I6-11	I6-9	J7-3	K6-1	L6-370
N4-3					

5.6 DIAZODINTROPHENOL (DIAZO) AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Diazo Area. Figures A-32 and A-33 of Appendix A present the Diazo Area Map and Diazo Area Sampling Point Map, respectively.

5.6.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Diazo Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-6 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Tables 5-6A through 5-6C of Volume III present the comparison of laboratory analyses to the NJSCC. Table 5-19A of Volume II presents a summary of the NJSCC metal exceedances within the Diazo Area. SVOCs and

E&E compounds were not detected above any of the NJSCC in samples collected from the Diazo Area.

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Arsenic	8	1	1	NA
Lead	8	2	1	NA
Thallium	8	1	1	NA

5.6.2 FEC Identification

Due to the very small size of the Diazo area and limited number of samples collected, no FECs were identified.

5.6.3 FEC Posting Map Discussion

No FECs were identified within the Diazo Area, therefore, no FEC postings maps were created.

5.6.4 Summary

The following tables present the categorization of the Diazo Area AOCs. Table 5-32 of Volume II contains the justification for requesting NFA. Table 5-45 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-34 of Appendix A presents the AOCs located within the Diazo Area which require NFA or FA.

AOCs Requesting NFA

H8-2181	H8-69F	H8-9121

AOCs Requiring FA

H8-9328

FA AOCs Reserved for the RI

H8-1	H8-584

5.7 MAINTENANCE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Maintenance Area. Figures A-35 and A-36 of Appendix A present the Maintenance Area Map and Maintenance Area Sampling Point Map, respectively.

5.7.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Maintenance Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-7 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Tables 5-7A through 5-7E of Volume III present the comparison of laboratory analyses to the NJSCC. Tables 5-20A through 5-20E of Volume II present a summary of the NJSCC exceedances within the Maintenance Area.

VOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Chlorobenzene	68	0	0	1
Methylene Chloride	76	0	0	2
Trichloroethylene	68	0	0	1

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	241	12	6	59
1,4-Dichlorobenzene	246	0	0	1
Benzo(a)anthracene	241	21	2	0
Benzo(a)pyrene	241	26	26	0
Benzo(b)fluoranthene	241	43	3	0
Benzo(k)fluoranthene	241	12	2	0

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Butylbenzylphthalate	241	0	0	1
Chrysene	241	2	0	0
Dibenz(a,h)anthracene	241	2	2	0
Indeno(1,2,3-cd)pyrene	241	5	1	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	226	4	1	NA
Arsenic	226	77	77	NA
Beryllium	226	1	1	NA
Copper	226	9	9	NA
Lead	226	62	45	NA
Mercury	227	5	0	NA
Nickel	226	4	0	NA
Thallium	226	4	4	NA
Zinc	226	1	1	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	52	0	0	3
2-Amino-4,6-Dinitrotoluene	51	1	1	1
2,4/2,6-Dinitrotoluene	52	3	2	8
2,4,6-Trinitrotoluene	52	1	1	3
RDX	52	1	1	NA

PCBs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Total PCBs	53	15	7	1

5.7.2 FEC Identification

Six FECs were identified within the Maintenance Area, these include:

- Three SVOC polycyclic aromatic hydrocarbon (PAH) compounds including are Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene
- Total polychlorinated biphenyls (PCBs)
- Arsenic and Lead, metal compounds

5.7.3 FEC Posting Map Discussion

The following paragraphs describe the FEC postings maps created for the Maintenance Area.

PAHs

Figures A-38, A-39, and A-40 of Appendix A present the PAH postings maps for the Maintenance Area. The PAH FECs exhibited similar RDCSCC exceedance patterns within the Maintenance Area. Benzo(a)anthracene was found exceeding the RDCSCC in 20 discrete areas, Benzo(a)pyrene in 26 discrete areas, and Benzo(b)fluoranthene in 40 discrete areas. Soil samples collected from the following AOCs have detected PAH FECs at concentrations exceeding the RDCSCC:

Benzo(a)anthracene

F10-44	F10-8576	F11-458	G10-18	G10-8106	G10-8224
G10-8503	G10-9515	G11-9305	G11-9309	G12-8109	H10-11
H10-9000	H10-9002	H10-9103	H10-9308	H11-9312	H11-9336
H12-2	H8-69E				

Benzo(a)pyrene

F10-44	F10-8576	F11-458	G10-18	G10-8106	G10-8108
G10-8224	G10-8503	G10-9515	G11-9305	G11-9309	G12-8109
H10-10	H10-11	H10-9000	H10-9002	H10-9103	H10-9308
H11-9320	H11-6	H11-763	H11-9312	H11-9336	H12-2

H8-69E	H9-10

Benzo(b)fluoranthene

F10-44	F10-8576	F11-458	G10-18	G10-4	G10-8106
G10-8106A	G10-8108	G10-8224	G10-8503	G10-9515	G11-2017A
G11-8212	G11-9305	G11-9309	G12-8109	H10-10	H10-11
H10-14	H10-154B	H10-9000	H10-9001	H10-9002	H10-9103
H10-9104	H10-9308	H10-9320	H11-4	H11-6	H11-761
H11-763	H11-8	H11-9312	H11-9335	H11-9336	H12-2
H8-69E	H8-8262	H8-9226	H9-10		

PCBs

Figure A-41 of Appendix A presents the total PCBs postings map for the Maintenance Area. PCBs were found exceeding the RDCSCC in 14 discrete areas within the Maintenance Area. The locations are primarily located within the central portion of the Maintenance Area. Soil samples collected from the following AOCs have detected PCBs at concentrations exceeding the RDCSCC:

PCBs

G10-2008	G10-8108	G10-8682	G10-9106A	G11-8257	G9-2
H10-10	H10-154B	H10-17	H10-262	H10-9002	H10-9308
H11-4	H11-9336				

Arsenic

Figure A-42 of Appendix A presents the Arsenic postings map for the Maintenance Area. Arsenic was found exceeding the RDCSCC in 67 discrete areas within the Maintenance Area. The locations appear to be associated with the former Maintenance Area structures, particularly the former acid recovery area located in facility grids H10 and H11. Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

F10-20	F11-2	F11-6813	F11-8227	F11-A2	G10-1
G10-16	G10-172A	G10-18	G10-2009	G10-269	G10-3
G10-4	G10-8106B	G10-8108	G10-8159	G10-8213	G10-8224
G10-8501	G10-8502	G10-8503	G10-8522	G10-9100	G11-2017A
G11-2017B	G11-2259	G11-3	G11-5	G11-8208	G11-8212
G11-8257	G11-9304	G11-9305	G11-9309	G11-B86	G12-775
G12-8109	G9-8107	G9-8182	G9-8267	H10-10	H10-13
H10-154B	H10-269	H10-8225	H10-9000	H10-9001	H10-9002
H10-9104	H11-3	H11-4	H11-6	H11-761	H11-8
H11-9	H11-9310	H11-9312	H11-9313	H11-9335	H11-9336
H13-9329	H8-585	H8-69E	H8-8262	H9-2261	H9-8238
I11-9117					

Lead

Figure A-43 of Appendix A presents the Lead postings map for the Maintenance Area. Lead was found exceeding the RDCSCC in 54 discrete areas within the Maintenance Area. The locations are associated with the former Maintenance Area structures. The primary area of exceedance is located within the central portion of the former Maintenance Area. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC:

Lead

F10-1	F11-2	F11-8113	G10-16	G10-172A	G10-18
G10-2009	G10-271	G10-3	G10-4	G10-8106A	G10-8106B
G10-8106C	G10-8108	G10-8159	G10-8204	G10-8213	G10-8502
G10-8522	G10-9100	G10-9515	G11-9300/251	G9-2	G9-8107
G9-8182	G9-8267	H10-10	H10-11	H10-12	H10-14
H10-154B	H10-16	H10-2003	H10-2092/2002		H10-262
H10-267	H10-502	H10-503	H10-68	H10-8264	H10-9000
H10-9002	H10-9103	H10-9104	H10-9308	H10-9320	H11-2319

H11-4	H11-761	H11-9312	H13-408	H8-585	H8-8262
H9-2261					

5.7.4 Summary

The following tables present the categorization of the Maintenance Area AOCs. Table 5-33 of Volume II contains the justification for requesting NFA. Table 5-46 of Volume II provides the justification for requiring further action FA and FA subcategories. Figure A-37 of Appendix A presents the AOCs located within the Maintenance Area which require NFA or FA.

AOCs Requesting NFA

F10-19	F10-37B	F11-2292	F11-456	F12-4	F12-6
G10-108B	G10-13	G10-459	G10-8216	G10-AAP1	G10-BRP1
G10-MAP1	G10-MAP2	G10-OP1	G11-253	G11-4	G12-12
G12-6	G12-7	G12-8203	G8-A12	G9-1	G9-8105
G9-8205	H10-1	H10-2260	H10-9101	H10-9102	H10-MAP3
H11-10	H11-12	H11-2	H11-2295	H11-510	H11-696
H11-697	H11-762	H11-9307	H12-3	H12-4	H12-5
H12-689	H12-8607	H13-5	H13-8158A	H9-1	H9-3

AOCs Requiring FA

F10-1	F10-20	F10-44	F10-8576	F11-2	F11-43
F11-458	F11-6813	F11-8113	F11-8227	F11-A2	G10-1
G10-16	G10-172A	G10-18	G10-2	G10-2008	G10-2009
G10-269	G10-271	G10-3	G10-4	G10-5	G10-8106
G10-8106A	G10-8106B	G10-8106C	G10-8108	G10-8114	G10-8159
G10-8204	G10-8213	G10-8224	G10-8501	G10-8502	G10-8503
G10-8522	G10-8682	G10-9100	G10-9106A	G10-9515	G11-1
G11-2017A	G11-2017B	G11-2259	G11-3	G11-5	G11-66
G11-8208	G11-8212	G11-8257	G11-9300/251		G11-9304

G11-9305	G11-9309	G11-B86	G12-252	G12-775	G12-8109
G9-15	G9-2	G9-8107	G9-8182	G9-8187	G9-8207
G9-8267	G9-9321	H10-10	H10-11	H10-12	H10-13
H10-14	H10-154B	H10-16	H10-17	H10-2003	
H10-2092/2002		H10-262	H10-267	H10-269	H10-502
H10-503	H10-68	H10-8225	H10-8264	H10-9000	H10-9001
H10-9002	H10-9103	H10-9104	H10-9308	H10-9320	H11-2319
H11-3	H11-4	H11-6	H11-757	H11-761	H11-763
H11-8	H11-9	H11-9310	H11-9312	H11-9313	H11-9335
H11-9336	H12-2	H12-8563	H13-408	H13-9329	H8-585
H8-69E	H8-8262	H8-9226	H9-10	H9-2261	H9-8155
H9-8238	I11-9117				

FA AOCs Reserved for the RI

H11-1

5.8 B-LINE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the B-Line Area. Figures A-44 and A-45 of Appendix A present the B-Line Area Map and B-Line Area Sampling Point Map, respectively.

5.8.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the B-Line Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-8 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-8A through 5-8E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-21A through 5-21D of Volume II present a summary of the NJSCC exceedances within the B-Line Area. PCBs were not detected above any of the NJSCC in samples collected from the B-Line Area.

VOC

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Benzene	43	3	0	3

SVOC

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	209	16	3	67
2,4-Dinitrophenol	210	0	0	1
Benzo(a)anthracene	209	25	7	0
Benzo(a)pyrene	209	30	30	0
Benzo(b)fluoranthene	209	33	8	0
Benzo(k)fluoranthene	209	14	1	0
Chrysene	209	1	0	0
Dibenz(a,h)anthracene	209	3	3	0
Diethylphthalate	209	0	0	1
Di-n-butylphthalate	209	0	0	3
Indeno(1,2,3-cd)pyrene	209	18	1	0
n-Nitroso-di-n-propylamine	209	1	1	0
n-Nitrosodiphenylamine	204	1	0	1

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Arsenic	165	16	16	NA
Copper	165	4	4	NA
Lead	165	16	8	NA
Mercury	165	1	0	NA
Thallium	165	7	7	NA
Zinc	165	1	1	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2-Amino-4,6-Dinitrotoluene	158	0	0	2
2,4/2,6-Dinitrotoluene	158	11	5	24
2,4,6-Trinitrotoluene	158	1	0	15
Nitroglycerin	160	26	15	NA

5.8.2 FEC Identification

Nine FECs were identified within the B-Line Area, these include:

- Five SVOC polycyclic aromatic hydrocarbons (PAHs) including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Indeno(1,2,3-cd)pyrene
- Nitroglycerin, an E&E compound
- 2,4/2,6-Dinitrotoluene (DNT), an E&E and SVOC compound
- Arsenic and Lead, metal compounds

5.8.3 FEC Posting Map Discussion

The following paragraphs describe the FEC postings maps created for the B-Line Area.

2,4/2,6-Dinitrotoluene (DNT) Figures A-47 and A-48 of Appendix A present the DNT - E&E and DNT – SVOC postings maps for the B-Line Area. DNT – E&E was found exceeding the RDCSCC in 9 discrete areas within the B-Line Area. DNT – SVOC was found exceeding the RDCSCC in 16 discrete areas within the B-Line Area. The locations appear to be primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected DNT at concentrations exceeding the RDCSCC:

DNT – E&E

J11-10	J11-2188	J11-2298	K10-2090	K10-2266	L10-2
L11-2089	M9-2192	M9-2193			

DNT – SVOC

I12-4	J11-10	J11-2298	K10-2090	K10-2197	K10-2266
L10-2242	L11-1	L11-2	L11-2089	L11-2091	L11-2303
L9-8210	M9-2254	M9-3	N9-2267		

Nitroglycerin (NG)

Figure A-49 of Appendix A presents the NG postings map for the B-Line Area. NG was found exceeding the RDCSCC in 22 discrete areas within the B-Line Area. The locations appear to be primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected NG at concentrations exceeding the RDCSCC:

NG

I11-1	I11-8260	J11-1	J11-2188	J11-2298	K10-2090
K10-2197	K10-2197A	K10-2266	K11-2225B	K11-2300	K11-2302
K11-3	K11-604	L10-2191	M10-7	M10-724	M8-2196
M9-2192	M9-2193	N9-2195	N9-2267		

PAHs

Figures A-50, A-51, A-52, A-53 and A-54 of Appendix A present the PAH postings maps for the B-Line Area. The PAH FECs exhibited similar RDCSCC exceedance patterns within the B-Line Area. Benzo(a)anthracene was found exceeding the RDCSCC in 23 discrete areas, Benzo(a)pyrene in 26 discrete areas, Benzo(b)fluoranthene in 29 discrete areas, Benzo(k)fluoranthene in 13 discrete areas, and Indeno(1,2,3-cd)pyrene in 16 discrete areas. Soil samples collected from the following AOCs have detected PAH FECs at concentrations exceeding the RDCSCC:

Benzo(a)anthracene

I12-4	J11-1	K10-2090	K11-3	K11-598	K11-601
L10-2191	L10-2242	L10-2316	L11-1	L11-2	L11-2089

L11-2091	L11-2226	M10-724	M11-3	M9-2251	M9-2261
M9-3	N8-2304	N9-2195	N9-2260	O8-2274/2270/2273	

Benzo(a)pyrene

J11-1	K10-2090	K11-2225B	K11-3	K11-598	K11-601
K11-604	L10-2191	L10-2242	L10-2316	L11-1	L11-2
L11-2089	L11-2091	L11-2226	L9-1	M10-724	M11-3
M9-2251	M9-2261	M9-3	N8-2304	N9-2195	N9-2260
N9-2269	O8-2274/2270/2273				

Benzo(b)fluoranthene

I11-8260	J11-1	J11-317	K10-2090	K11-2225B	K11-2300
K11-3	K11-598	K11-601	K11-604	L10-2191	L10-2242
L10-2316	L10-725	L11-1	L11-2	L11-2089	L11-2091
L11-2226	L9-1	M11-3	M9-2251	M9-2261	M9-3
N8-2304	N9-2195	N9-2260	N9-2269	O8-2274/2270/2273	

Benzo(k)fluoranthene

K10-2090	K11-3	K11-598	L10-2242	L10-2316	L11-2226
M10-724	M11-3	M9-2261	M9-3	N8-2304	N9-2260
O8-2274/2270/2273					

Indeno(1,2,3-cd)pyrene

I11-8504	K10-2090	K11-3	K11-598	K11-604	L10-2191
L10-2242	L10-2316	L11-2089	M10-724	M11-3	M9-2261
M9-3	N8-2304	N9-2260	O8-2274/2270/2273		

Arsenic

Figure A-55 of Appendix A presents the Arsenic postings map for the B-Line Area. Arsenic was found exceeding the RDCSCC in 13 discrete areas within the B-Line Area. The locations appear to be associated with the former manufacturing structures. Soil samples

collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

I11-8504	I12-4	J10-5	J10-8280	J11-2188	J11-8265
K10-2197	K10-2266	K10-5	K11-2302	L10-2316	L11-2225
L8-1					

Lead

Figure A-56 of Appendix A presents the Lead postings map for the B-Line Area. Lead was found exceeding the RDCSCC in 13 discrete areas within the B-Line Area. The locations are primarily associated with the former manufacturing structures and M11-3 (Unknown) located adjacent to the Lead painted water tank. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC.

Lead

I11-8260	I11-8504	J11-317	J11-8265	J12-3	K10-3
K11-1/K11-2	L9-8210	M10-1	M10-6	M11-3	M8-2
M9-2191					

5.8.4 Summary

The following tables present the categorization of the B-Line Area AOCs. Table 5-34 of Volume II contains the justification for requesting NFA. Table 5-47 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-46 of Appendix A presents the AOCs located within the B-Line Area which require NFA or FA.

AOCs Requesting NFA

I11-6	J10-6	J10-609	J11-11	J11-14	J11-602A
J11-7	J11-8265A	J11-B20	J11-B83	J12-2	K10-6
K10-602B	K10-79A	K10-2225A	K11-2225C	K11-2302A	K11-5
K11-607	K11-B2	K11-B3	K9-1	K9-4	L10-1

L10-4	L10-8521	L9-3	L9-79B	M10-2	M10-4
M10-8	M10-B14	M8-3	M9-2292	M9-5	M9-8151
N9-1	N9-3	N9-B4	N9-B4-11	N9-B41-10	O8-2247
O7-2271/2272	O8-2252	O8-2268	O8-4	O8-5	

AOCs Requiring FA

I11-1	I11-7	I11-8260	I11-8504	I12-4	I12-8101
J10-2187	J10-5	J10-8280	J11-1	J11-10	J11-2188
J11-2296	J11-2298	J11-3	J11-317	J11-6	J11-8265
J11-8570	J11-B25	J12-3	K10-1	K10-2	K10-2090
K10-2197	K10-2197A	K10-2266	K10-3	K10-5	K11-1/K-11-2
K11-2225B	K11-2264	K11-2300	K11-2301	K11-2302	K11-598
K11-601	K11-604	L10-2	L10-2088/2255/2256/2258		L10-2191
L10-2242	L10-2316	L10-6	L10-725	L10-8210	L10-8215
L10-B462	L11-1	L11-2	L11-2089	L11-2091	L11-2225
L11-2226	L11-2303	L9-1	L9-8210	M10-1	M10-2315
M10-2262/B41-6/B41-7		M10-6	M10-7	M10-724	M11-3
M8-2	M8-2196	M9-2191	M9-2192	M9-2193	M9-2251
M9-2254	M9-2261	M9-3	N8-2304	N9-2195	N9-2260
N9-2267	N9-2269	O8-2274/2270/2273			

FA AOCs Suitable for Single Phase Remediation

K11-3	L8-1

5.9 A-LINE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the A-Line Area. Figures A-57 and A-58 of Appendix A present the A-Line Area Map and A-Line Area Sampling Point Map, respectively.

5.9.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the A-Line Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-9 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-9A through 5-9E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-22A through 5-22D of Volume II present a summary of the NJSCC exceedances within the A-Line Area. PCBs were not detected above any of the NJSCC in samples collected from the A-Line Area.

VOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Acrylonitrile	22	1	0	1
Benzene	22	1	0	1

SVOC

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dintrotoluene	184	16	7	54
Benzo(a)anthracene	184	9	1	0
Benzo(a)pyrene	184	10	10	0
Benzo(b)fluoranthene	184	11	2	0
Benzo(k)fluoranthene	184	5	1	0
Chrysene	184	1	0	0
Dibenz(a,h)anthracene	184	1	1	0
Indeno(1,2,3-cd)pyrene	184	6	1	0
n-Nitroso-di-n-propylamine	184	1	1	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Arsenic	162	25	25	NA
Copper	162	6	6	NA
Lead	162	7	3	NA
Nickel	162	1	0	NA
Thallium	162	9	9	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	138	0	0	2
2,4/2,6-Dintrotoluene	138	15	5	39
2,4,6-Trinitrotoluene	138	1	1	24
Nitroglycerin	140	34	12	0

5.9.2 FEC Identification

Three FECs were identified within the A-Line Area, these include:

- Nitroglycerin, an E&E compound
- 2,4/2,6-Dinitrotoluene (DNT), an E&E and SVOC compound
- Arsenic, a metal compound

5.9.3 FEC Posting Map Discussion

2,4/2,6-Dinitrotoluene (DNT)

Figures A-60 and A-61 of Appendix A present the DNT - E&E and DNT - SVOC postings maps for the A-Line Area. DNT – E&E was found exceeding the RDCSCC in 13 discrete areas within the A-Line Area. DNT – SVOC was found exceeding the RDCSCC in 14 discrete areas within the A-Line Area. The locations appear to be primarily associated with

the former manufacturing structures. Soil samples collected from the following AOCs have detected DNT at concentrations exceeding the RDCSCC:

DNT – E&E

E10-615	E9-2161	E9-610	F10-3	F9-2105	F9-2105A
F9-2109	F9-2109C	F9-A6	F9-PA4	G7-2115	G8-2114
G8-2210					

DNT – SVOC

E10-615	E9-2161	E9-610	F8-2107	F8-575	F9-2105
F9-2106	F9-2109	F9-2109C	F9-8	F9-9	G7-2115
G8-2114	G9-2123				

Nitroglycerin (NG)

Figure A-62 of Appendix A presents the NG postings map for the A-Line Area. NG was found exceeding the RDCSCC in 23 discrete areas within the A-Line Area. The locations appear to be primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected NG at concentrations exceeding the RDCSCC:

NG

E10-2101/2102/2103		E9-2296	E9-2297	E9-610	F10-8237
F11-2016	F8-2107	F8-2116	F8-2117	F8-2144	F8-575
F8-9	F9-16	F9-2105	F9-2106	F9-2109	F9-2109C
F9-5	F9-8188	F9-PA6	G7-2115	G8-2114	G8-2249

Arsenic

Figure A-63 of Appendix A presents the Arsenic postings map for the A-Line Area. Arsenic was found exceeding the RDCSCC in 19 discrete areas within the A-Line Area. The locations appear to be primarily associated with the former manufacturing structures,

particularly the former dry houses located at the northern portion of A-Line. Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

E9-2297	F10-11	F10-2323	F8-2116	F8-2117	F8-2118
F8-2150	F8-9	F9-2109D	F9-563	G7-1	G7-2115
G7-2149	G7-2164	G8-2249	G9-2108	G9-2123	G9-7
G9-9322					

5.9.4 Summary

The following tables present the categorization of the A-Line Area AOCs. Table 5-35 of Volume II contains the justification for requesting NFA. Table 5-48 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-59 of Appendix A presents the AOCs located within the A-Line Area which require NFA or FA.

AOCs Requesting NFA

E10-11	E10-20	E10-2097/2098/2099		E10-2101C	E10-2159
E10-2160	E10-2288	E10-23	E10-606	E10-A1	E10-PA12
E9-2296A	E9-2296B	E9-2296C	E9-2296D	E9-556	E9-560
E9-6	E9-A7	F10-18	F10-21	F10-2162	F10-2289
F10-2356	F10-2356A	F10-4	F10-462	F10-464	F10-5
F10-8	F10-8274	F10-8564	F10-8569	F10-9	F10-PA9
F8-1	F8-11	F8-2	F8-2151	F8-2208	F8-3
F8-4	F8-5	F8-567	F8-7	F8-8	F8-8562A
F8-A5	F8-A9	F8-PA1/PA2	F9-2104	F9-2276	F9-2279
F9-3	F9-4	F9-558A	F9-7	F9-A10	F9-A3
F9-PA3	F9-PA5	G7-2	G8-2148	G8-2204	G8-2260
G8-5	G8-8562	G8-C3	G8-F7	G9-14	

AOCs Requiring FA

E10-2101/ E10-2102/ E10-2013		E10-615	E9-2	E9-2153	E9-2161
E9-2296	E9-2297	E9-558B	E9-562	E9-610	F10-2096
F10-2145	F10-2222	F10-2323	F10-3	F10-460	F10-8237
F10-PA8	F11-2016	F8-2107	F8-2116	F8-2117	F8-2118
F8-2144	F8-2150	F8-2152	F8-2207	F8-563D	F8-573
F8-575	F8-9	F9-1	F9-16	F9-2105	F9-2105A
F9-2105B	F9-2106	F9-2109	F9-2109A	F9-2109C	F9-2109D
F9-2251/2254		F9-5	F9-563	F9-611	F9-8
F9-8188	F9-9	F9-A4	F9-A5	F9-A6	F9-C1
F9-PA4	F9-PA6	G7-1	G7-2115	G7-2149	G7-2164
G7-58	G8-2114	G8-2209	G8-2210	G8-2249	G8-3
G9-2108	G9-2123	G9-3	G9-7	G9-9322	G9-A11

FA AOCs Suitable for Single Phase Remediation

F10-11	F10-7

FA AOCs Reserved for the RI

E9-1	E9-2119	E9-2337	F10-2094	G8-2110

5.10 FINISHING AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Finishing Area. Figures A-64 and A-65 of Appendix A present the Finishing Area Map and Finishing Area Sampling Point Map, respectively.

5.10.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Finishing Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-10 of Volume II provides the summary of the number of analytical

samples collected and the analytical parameters selected at each AOC. Table 5-10A through 5-10E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-23A through 5-23C of Volume II present a summary of the NJSCC exceedances within the Finishing Area. VOCs and PCBs were not detected above any of the NJSCC in samples collected from the Finishing Area.

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	119	5	4	27
Benzo(a)anthracene	119	3	0	0
Benzo(a)pyrene	119	3	3	0
Benzo(b)fluoranthene	119	4	1	0
Benzo(k)fluoranthene	119	1	0	0
Indeno(1,2,3-cd)pyrene	119	1	0	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	120	2	0	NA
Arsenic	120	13	13	NA
Copper	120	3	3	NA
Lead	120	8	8	NA
Mercury	120	1	0	NA
Selenium	120	2	0	NA
Zinc	120	1	1	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2-Amino-4,6-Dinitrotoluene	108	0	0	1
2,4/2,6-Dinitrotoluene	108	7	5	15
2,4,6-Trinitrotoluene	108	0	0	10
Nitroglycerin	108	12	5	0

5.10.2 FEC Identification

Four FECs were identified within the Finishing Area, these include:

- Nitroglycerin, an E&E compound
- 2,4/2,6-Dinitrotoluene (DNT), an E&E and SVOC compound
- Arsenic and Lead, metal compounds

5.10.3 FEC Posting Map Discussion

2,4/2,6-Dinitrotoluene (DNT)

Figures A-67 and A-68 of Appendix A present the DNT - E&E and DNT - SVOC postings maps for the Finishing Area. DNT – E&E was found exceeding the RDCSCC in 6 discrete areas within the Finishing Area. DNT – SVOC was found exceeding the RDCSCC in 4 discrete areas within the Finishing Area. The locations appear to be primarily associated with the former manufacturing structures. In particular the locations include 3 structures closely located at the northern portion of the Finishing Area, I7-2133A (Unknown), I7-2305 (Unknown), and J7-2133 (Old Can Pack House). Soil samples collected from the following AOCs have detected DNT at concentrations exceeding the RDCSCC:

DNT – E&E

I7-2133A	I7-2305	I9-524	J7-2	J7-2133	J7-241

DNT – SVOC

I7-2133A	I7-2305	J7-2	J7-2133

Nitroglycerin (NG)

Figure A-69 of Appendix A presents the NG postings map for the Finishing Area. NG was found exceeding the RDCSCC in 11 discrete areas within the Finishing Area. The locations appear to be primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected NG at concentrations exceeding the RDCSCC:

NG

I7-B59	I8-2138/2139	I8-2170	I8-2328	I8-2328A	I8-9334
I9-2311	J7-2	J7-2133	J7-2281	J8-2354	

Arsenic

Figure A-70 of Appendix A presents the Arsenic postings map for the Finishing Area. Arsenic was found exceeding the RDCSCC in 12 discrete areas within the Finishing Area. The locations appear to be primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

I10-552	I10-E50	I7-5	I7-566A	I7-B59	I8-2138/2139
I9-524	J7-2133	J7-2324	J9-1	J9-2142	J9-4

Lead

Figure A-71 of Appendix A presents the Lead postings map for the Finishing Area. Lead was found exceeding the RDCSCC in 6 discrete areas within the Finishing Area. The locations are associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC

Lead

I10-2	I10-550	I8-588E	I9-519	J7-2133	J7-2324

5.10.4 Summary

The following tables present the categorization of the Finishing Area AOCs. Table 5-36 of Volume II contains the justification for requesting NFA. Table 5-49 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-66 of Appendix A presents the AOCs located within the Finishing Area which require NFA or FA.

AOCs Requesting NFA

H7-2172A	H7-642B	H8-2171	H8-2291	H8-558	H8-564
I10-1	I10-2121	I10-2122	I10-2155	I10-2156	I7-12
I7-13	I7-2124A	I7-4	I7-567	I8-2299	I8-2332
I8-2405A	I8-2409	I8-525	I8-560	I8-F2	I9-2329
I9-2329A	I9-3	I9-5	I9-515	I9-516	I9-520
J7-2281B	J7-2282	J7-5	J7-8240	J7-F1	J8-1
J8-2	J8-2339	J8-2354A	J8-8272	J9-5	K6-8273

AOCs Requiring FA

I10-2	I10-2079	I10-2080	I10-550	I10-552	I10-E50
I7-15	I7-2124	I7-2133A	I7-2305/2280/8652		I7-3
I7-5	I7-566	I7-566A	I7-8181	I7-B59	I8-2138/2139
I8-2170	I8-2328	I8-2328A	I8-2333	I8-2405	I8-8236
I8-9334	I9-2	I9-2311	I9-519	I9-523	J10-587B
J6-2340	J7-2133	J7-2246	J7-2281	J7-2324	J7-241
J7-8281	J7-2354	J9-2111	J9-3	J9-4	

FA AOCs Suitable for Single Phase Remediation

I10-3	I8-588E	I9-524	J7-2	J9-1	J9-2142

FA AOCs Reserved for the RI

J7-1

5.11 AMMONIA-NITRATE (AN) AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Ammonia-Nitrate Area. Figures A-72 and A-73 of Appendix A present the Ammonia-Nitrate Area Map and Ammonia-Nitrate Area Sampling Point Map, respectively.

5.11.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Ammonia-Nitrate Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-11 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-11A through 5-11E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-24A through 5-24C of Volume II present a summary of the NJSCC exceedances within the Ammonia-Nitrate Area. VOCs and PCBs were not detected above any of the NJSCC in samples collected from the Ammonia-Nitrate Area.

SVOC

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	66	1	0	8
Benzo(a)anthracene	66	8	2	0
Benzo(a)pyrene	66	8	8	0
Benzo(b)fluoranthene	66	9	2	0
Benzo(k)fluoranthene	66	5	0	0
Dibenz(a,h)anthracene	66	1	1	0
Indeno(1,2,3-cd)pyrene	66	4	0	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Arsenic	63	11	11	NA
Copper	63	3	3	NA
Lead	63	9	8	NA
Thallium	63	4	4	NA
Zinc	63	3	3	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	12	1	0	1
2,4,6-Trinitrotoluene	12	0	0	1

5.11.2 FEC IDENTIFICATION

Five FECs were identified within the Ammonia-Nitrate Area, these include;

- Three SVOC polycyclic aromatic hydrocarbons (PAHs) including Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene
- Arsenic and Lead, metal compounds

5.11.3 FEC Posting Map Discussion

PAHs

Figures A-75, A-76, and A-77 of Appendix A present the PAH postings maps for the Ammonia-Nitrate Area. The PAH FECs exhibited identical RDCSCC exceedance patterns within the Ammonia-Nitrate Area. Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene exceeded the RDCSCC in 8 discrete areas. The locations of the exceedances are primarily associated with the use of fly ash as fill material to improve the grade at the facility. Soil samples collected from the following AOCs have detected PAH FECs at concentrations exceeding the RDCSCC:

Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene

H12-1	H13-2014	H13-8158	H13-8164	I11-9303	I12-10
I12-2010	I12-9111				

Arsenic

Figure A-78 of Appendix A presents the Arsenic postings map for the Ammonia-Nitrate Area. Arsenic was found exceeding the RDCSCC in 11 discrete areas within the Ammonia-Nitrate Area. The locations appear to be primarily associated with the former manufacturing

structures. Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

H13-2014	H13-2031A	H13-8226	I11-9303	I11-B5	I12-14
I12-15	I12-2184	I12-2186	I12-2287	I12-6	

Lead

Figure A-79 of Appendix A presents the lead postings map for the Ammonia-Nitrate Area. Lead was found exceeding the RDCSCC in 9 discrete areas within the Ammonia-Nitrate Area. The locations are primarily associated with the former manufacturing structures. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC

Lead

G13-1	H12-1	H13-2014	H13-8164	H13-8226	I12-2013
I12-2186	I12-2341	I12-7			

5.11.4 Summary

The following tables present the categorization of the Ammonia-Nitrate Area AOCs. Table 5-37 of Volume II contains the justification for requesting NFA. Table 5-50 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-74 of Appendix A presents the AOCs located within the Ammonia-Nitrate Area which require NFA or FA.

AOCs Requesting NFA

H12-120	H13-2	H13-3	H13-6	I11-2326	I11-3
I12-1	I12-12	I12-13	I12-2011	I12-2012	I12-8
I12-8271	I12-8581	I12-9	I12-9112	I12-9120	

AOCs Requiring FA

G13-1	H12-1	H13-2014	H13-2031A	H13-8158	H13-8164

H13-8214	H13-8226	I11-9303	I11-B5	I12-10	I12-11
I12-15	I12-2010	I12-2013	I12-2184	I12-2186	I12-2287
I12-2341	I12-6	I12-7	I12-9110	I12-9111	

FA AOCs Suitable for Single Phase Remediation

I12-14

FA AOCs Reserved for the RI

H12-237	H13-1	H13-7

5.12 STORAGE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Storage Area. Figures A-80 and A-81 of Appendix A present the Storage Area Map and Storage Area Sampling Map, respectively.

5.12.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Storage Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedances and the number of specific NJSCC exceedances are also included. Table 2-12 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-12A through 5-12E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-25A through 5-25D of Volume II present a summary of the NJSCC exceedances within the Storage Area. PCBs were not detected above any of the NJSCC in samples collected from the Storage Area.

VOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Benzene	3	1	0	1

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	133	4	1	17
Benzo(a)anthracene	133	13	6	0
Benzo(a)pyrene	133	16	16	0
Benzo(b)fluoranthene	133	16	8	0
Benzo(k)fluoranthene	133	12	4	0
Chrysene	133	3	0	0
Dibenz(a,h)anthracene	133	6	6	0
Indeno(1,2,3-cd)pyrene	133	11	3	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	135	1	0	NA
Arsenic	135	23	23	NA
Copper	135	3	3	NA
Lead	135	11	8	NA
Mercury	134	1	0	NA
Nickel	135	1	0	NA
Selenium	135	1	0	NA
Silver	135	1	0	NA
Thallium	135	1	1	NA
Zinc	135	3	3	NA

E&E

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
1,3-Dinitrobenzene	139	0	0	1
2-Amino-4,6-Dinitrotoluene	139	0	0	1
2,4/2,6-Dinitrotoluene	139	9	5	17
2,4,6-Trinitrotoluene	139	0	0	10
Nitroglycerin	139	10	4	0

5.12.2 FEC Identification

Three FECs were identified within the Storage Area, these include;

- Two SVOC polycyclic aromatic hydrocarbons (PAHs) including Benzo(a)pyrene and Benzo(b)fluoranthene, and,
- Arsenic, a metal compound.

5.12.3 FEC Posting Map Discussion

PAHs

Figures A-83 and A-84 of Appendix A present the PAH postings maps for the Storage Area. The PAH FECs exhibited similar RDCSCC exceedance patterns within the Storage Area. Benzo(a)pyrene and Benzo(b)fluoranthene exceeded the RDCSCC in 9 discrete areas. The locations are primarily associated with the use of fly ash as fill material to improve the grade of the facility. Soil samples collected from the following AOCs have detected PAH FECs at concentrations exceeding the RDCSCC:

Benzo(a)pyrene

J10-2	J10-9334	M7-2	N5-582	N6-640	N7-2
O8-3	P7-4	S7-1			

Benzo(b)fluoranthene

I11-8278	I11-9301	J10-2	J10-9334	N5-582	N6-640
N7-2	P7-4	S7-1			

Arsenic

Figure A-85 of Appendix A presents the Arsenic postings map for the Storage Area. Arsenic was found exceeding the RDCSCC in 13 discrete areas within the Storage Area. The locations appear to be primarily associated with the former manufacturing structures and two debris areas (M7-2 & N7-2). Soil samples collected from the following AOCs have detected Arsenic at concentrations exceeding the RDCSCC:

Arsenic

I11-9301	J10-2	J10-2033	K8-1	K8-9212	M6-1
M7-2	N6-640	N7-2	N7-573	O7-396	P6-651
P7-4					

5.12.4 Summary

The following tables present the categorization of the Storage Area AOCs. Table 5-38 of Volume II contains the justification for requesting NFA. Table 5-51 of Volume II provides the justification for requiring FA and FA subcategories. Figure A-82 of Appendix A presents the AOCs located within the Storage Area which require NFA or FA.

AOCs Requesting NFA

J10-3	J9-2	J9-6	K7-2127	K7-3	K7-F5
K8-9212A	K9-3	K9-9204	L7-1	L7-2	L7-4
L7-5	L7-6	L7-8115	L7-9206	L7-9315	L8-8215
L8-8235	L8-9202	M7-9205	M8-9201	N5-3	N5-533
N5-581	N6-580	N6-9208	N7-394	N7-4	N7-5
N7-571	N7-574	N8-389	O5-2	O5-5	O5-534
O5-537	O5-578	O5-580.5	O5-580.75	O5-6	O6-1
O6-3	O6-577	O6-649	O6-650	O7-2	O7-391
O7-395	O7-576	O7-615E	P5-2	P5-3	P5-536
P7-575	Q4-2	Q6-1	Q6-2	Q6-3	Q6-4
Q6-5	Q6-583	Q6-584	Q6-6	Q6-7	Q6-9311
R6-1	R6-11	S6-1			

AOCs Requiring FA

I11-8278	I11-9301	J10-2	J10-2033	J10-9122	J10-9334
J8-9220	K7-2125	K7-2126	K7-2132	K8-1	K8-393
K8-9207	K9-9203	L6-2128	L6-2129	L7-2130	M6-1
M7-1	M7-2	N5-582	N6-640	N7-2	N7-572

N7-573	N7-9222	O5-579	O6-9223	O6-9224	O7-1
O7-9319	O8-3	O8-392	O8-732	P6-541	P6-9225
P7-9209	Q6-8	R5-1			

FA AOCs Suitable for Single Phase Remediation

K8-9212	L7-2131	O7-396	P5-535	P6-651	P7-4
R5-2	S7-1				

FA AOCs Reserved for the RI

J10-2166

5.13 MISCELLANEOUS/OFFSITE AREA

This section describes the results of the Soil – SI chemical analyses performed on samples collected from the Miscellaneous/Offsite Area. Figures A-86 and A-89 of Appendix A present the Miscellaneous/Offsite Area Map.

5.13.1 General Analytical Results Discussion

The following tables present each constituent by analytical group detected within the Miscellaneous/Offsite Area found to exceed any of the NJSCC. The number of analyses performed per constituent with NJSCC exceedance and the number of specfic NJSCC exceedances are also included. Table 2-13 of Volume II provides the summary of the number of analytical samples collected and the analytical parameters selected at each AOC. Table 5-13A through 5-13E of Volume III presents the comparison of laboratory analyses to the NJSCC. Tables 5-26A and 5-26B of Volume II present a summary of the NJSCC exceedances within the Miscellaneous/Offsite Area. VOCs, E&E compounds, and PCBs were not detected above any of the NJSCC in samples collected from the Miscellaneous/Offsite Area.

SVOCs

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
2,4/2,6-Dinitrotoluene	64	0	0	1
Benzo(a)anthracene	64	3	0	0
Benzo(a)pyrene	64	4	4	0
Benzo(b)fluoranthene	64	3	0	0
Benzo(k)fluoranthene	64	2	0	0
Indeno(1,2,3-cd)pyrene	64	1	0	0

Metals

Constituent	Number of Analyses	RDCSCC Exceedances	NRDCSCC Exceedances	IGWSCC Exceedances
Antimony	37	1	0	NA
Arsenic	37	1	1	NA
Beryllium	37	1	1	NA
Copper	37	1	1	NA
Lead	37	8	5	NA
Thallium	37	2	2	NA
Zinc	37	1	1	NA

5.13.2 FEC Identification

One FEC was identified within the Miscellaneous/Offsite Area;

- Lead, a metal compound.

5.13.3 FEC Posting Map Discussion

The following paragraph describes the FEC postings maps created for the Miscellaneous/Offsite Area.

Lead

Figures A-88 and A-91 of Appendix A present the Lead postings maps for the Miscellaneous/Offsite Area. Lead was found exceeding the RDCSCC in 5 discrete areas within the Miscellaneous/Offsite Area. Soil samples collected from the following AOCs have detected Lead at concentrations exceeding the RDCSCC:

Lead

E16-8561	H14-3	M11-8606	O13-1	O13-2

5.13.4 Summary

The following tables present the categorization of the Miscellaneous/Offsite Area AOCs. Table 5-39 of Volume II contains the justification for requesting NFA. Table 5-52 of Volume II provides the justification for requiring FA and FA subcategories. Figures A-87 and A-90 of Appendix A present the AOCs located within the Miscellaneous/Offsite Area which require NFA or FA.

AOCs Requesting NFA

D16-1	D16-3	E15-8560	H14-2	J14-2	M11-1
N13-5	O13-4	O13-7	O13-8	O13-8577	O13-8604
O14-1	O14-8603				

AOCs requiring FA

E16-8561	G14-1	G14-2	H14-3	M11-8606	N13-1
N13-4	O13-1				

FA AOCs Suitable for Single Phase Remediation

D16-2	O13-2

6.0 AOCs RESERVED FOR REMEDIAL INVESTIGATION

This section describes the AOCs that were not sampled as part of the Soil – SI and were reserved for the forthcoming remedial investigation (RI). AOCs were reserved for the remedial investigation based on existing analytical data or if field observations determined that various constituents would exceed the NJDEP RDCSCC. Roux Associates collected the existing analytical data during the preliminary Phase I TNT Area Site Investigation. This report was submitted to the NJDEP on December 5, 1997. The field observations were collected during the field implementation of the Phase I – SI. The following AOCs were reserved for the remedial investigation:

AOC Designation	Operational Area	AOC Designation	Operational Area	AOC Designation	Operational Area
A11-2	TNT	B10-6	TNT	H11-1	Maintenance
A11-4	TNT	B12-1	TNT	M8-1	B-Line
A11-5	TNT	B12-234	TNT	E9-1	A-Line
A11-504	TNT	B13-1	TNT	E9-2119	A-Line
A11-7	TNT	B13-2	TNT	E9-2337	A-Line
A12-1	TNT	C10-439	TNT	F10-2094	A-Line
A12-426	TNT	C13-666	Dynamite	G8-2110	A-Line
A13-625	TNT	C11-8572C	NG	J7-1	Finishing
B10-2	TNT	C11-8572D	NG	H12-237	AN
B10-5	TNT	D11-2031	NG	H13-1	AN
B10-501	TNT	K5-1	Development	H13-7	AN
B10-502	TNT	K5-2	Development	J10-2116	Storage
B10-505	TNT	H8-1	Diazo	N6-1	Storage
B10-508	TNT	H8-584	Diazo		
B10-509	TNT	G9-4	Maintenance		

Table 6-1 presents the justification for reserving the AOCs for the remedial investigation.

The AOCs reserved for the remedial investigation are also presented by operational area in the following sections of this report:

- Section 5.0 Analytical Results, Volume I, presents all AOCs reserved for the RI in the Summary subsection,

- Section 8.0 Geophysical Investigation, Volume I, presents 6 AOCs reserved for the RI (B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area),

- Sampling Plan Tables 2-1 through 2-13, Volume II, presents all AOCs reserved for the RI with the exception of 6 AOCs in the geophysical investigation (B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area),

- Further Action Tables 5-40 through 5-52, Volume II, presents all AOCs reserved for the RI with the exception of 6 AOCs in the geophysical investigation (B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area),

- Table 8-1 Geophysical Investigation, Volume II, presents 6 AOCs reserved for the RI (B13-2 in the TNT Area, G9-4 in the Maintenance Area, K5-1 and K5-2 in the Development Area, M8-1 in the B-Line Area, and N6-1 in the Storage Area).

7.0 REMAINING SOIL – SI ACTIVITIES

This section describes the field-sampling activities that were not completed during the Soil – SI. The remaining items are limited to performing screening and sampling activities at one AOC and collecting confirmation samples at 19 AOCs. The single AOC that was not sampled during the Soil – SI was F9-PA3. The 19 AOCs requiring confirmation sampling are:

AOC Designation	Operational Area	AOC Designation	Operational Area	AOC Designation	Operational Area
A12-3	TNT	F8-1	A-Line	F10-2289	A-Line
A13-753	TNT	F8-2	A-Line	I9-515	Finishing
D10-3	NG	F8-4	A-Line	L7-4	Storage
G9-8105	Maintenance	F8-567	A-Line	P5-536	Storage
H12-4	Maintenance	F9-2104	A-Line	D16-1	Miscellaneous/ Offsite
H12-5	Maintenance	F9-2279	A-Line		
E9-556	A-Line	F9-558A	A-Line		

F9-PA3, the single AOC that was not sampled during the SI, was inadvertently deleted from the sampling list during preparation for field activities. The 19 confirmation samples were not collected primarily due to initial misinterpretation of the preliminary data supplied by the laboratory. The remaining Soil – SI activities will be completed as part of the next field investigation activity and the results will be submitted to the NJDEP either as a addendum to this report or as part of a subsequent remedial investigation. Table 7-1 of Volume II presents the remaining activities for each AOC.

8.0 GEOPHYSICAL INVESTIGATIONS

This section describes the results of the geophysical investigation conducted as part of the Soil – SI. Each location chosen to be investigated with geophysical methods was selected because historic facility operational history indicated a strong possibility of subsurface environmental or explosive hazards as described in N.J.A.C. 7:26E-3.6(a)1. The primary focus of the geophysical investigation was to provide the information necessary to focus the forthcoming remedial investigation of these areas. Therefore, samples were not collected as part of the Soil – SI with the exception of K6-1. Two samples, K6-1-01 and K6-1-02, were inadvertently collected from AOC K6-1. Analytical results of the two samples confirmed the indication that K6-1 was to be reserved for the RI. Appendix C contains the Earth Resources Technology (ERT) geophysical investigation report. Table 8-1 of Volume II presents a general description of the 7 AOCs where the geophysical investigation was conducted.

8.1 B13-2 GRAVEL PIT

B13-2 (Gravel Pit) is located in the TNT Area, adjacent to the Dynamite Area. B13-2 is approximately 150-foot by 150-foot in areal extent. Figure A-5 of Appendix A presents the location of B13-2. This area appears to have been historically excavated and later partially back-filled with debris. The center of the excavated area has been visually identified to contain explosive residue. Figures 3.5-1 through 3.5-4 of Appendix C illustrate the results of the geophysical investigation of this AOC.

The results of the geophysical investigation determined that several isolated ferrous objects and multiple areas of debris are present within the boundary of this AOC. This is consistent with the surface expression of materials placed within this AOC.

8.2 G9-4 BURIED DRUM AREA

G9-4 (Buried Drum Area) is located in the Maintenance Area. G9-4 is approximately 50-feet by 40-feet in size. Figure A-37 of Appendix A presents the location of G9-4. On December 10, 1998 approximately 50 drum carcasses were removed from this AOC. The drum carcasses were substantially corroded and did not contain any material. It is believed the interment of these drums was related to the large facility explosion that occurred in 1940.

The drums were removed as an interim remedial measure. Figures 3.6-1 through 3.6-4 of Appendix C illustrate the results of the geophysical investigation of this AOC.

The results of the geophysical investigation determined that two small isolated areas of ferrous metal are present and may be associated with light debris. Since this area is in close proximity to the 1940 explosion it is likely these objects are shrapnel associated with the explosion. Light metal debris can be found over a wide area in this region of the facility resulting from the 1940 or later explosions.

8.3 K5-1 FORMER DRUM DISPOSAL AREA

K5-1 (Former Drum Disposal Area) is located within the Development Area. K5-1 is approximately 500-feet in perimeter. Figure A-22 of Appendix A presents the location of K5-1. In December 1998, several hundred drum carcasses were removed from this AOC. The drum carcasses were substantially corroded and the vast majority did not contain any material. Approximately 35 drums were found to contain pine oil and were immediately placed in salvage drums. It is believed the majority of the drums historically contained pine oil, however, several drums were found to contain general trash. The pine oil is believed to have been an experimental intermediate compound for the historic development of new E&E materials. The drums were removed as an interim remedial measure until the investigation of this AOC coincided with the facility-wide investigation. Figures 3.3-1 through 3.3-4 of Appendix C illustrate the results of the geophysical investigation conducted at this AOC.

The results of the geophysical investigation determined that a linear pattern of subsurface ferrous objects is present within this AOC.

8.4 K5-2 POND and K6-1 DEBRIS AREA

K5-2 (Pond) and K6-1 (Debris Area) are located in the Development Area in close proximity to K5-1. K5-2 and K6-1 are located very close to one another and were investigated as one unit. Figure A-22 of Appendix A presents the location of K5-2 and K6-1. K5-2 is a small shallow pond with a perimeter of approximately 500-feet. K6-1 is small depression located adjacent to K5-2 and is approximately 40-feet in diameter. In December 1998, approximately 20 drum carcasses and various steel reinforcing material were removed from

K5-2 and K6-1. The drum carcasses were substantially corroded and did not contain any material. There is no historical information concerning the utilization of K5-2 or K6-1 and it is believed they were used as a general trash disposal area. The drums and steel reinforcing materials were removed as an interim remedial measure. Figures 3.4-1 through 3.4-4 of Appendix C illustrate the results of the geophysical investigation conducted at these AOCs.

The results of the geophysical investigation determined the presence of numerous buried ferrous objects. The investigation also identified the presence of a large subsurface ferrous object that could represent a former process vessel or a large mass of ferrous metal.

8.5 M8-1 DISPOSAL AREA

M8-1 (Disposal Area) is located in B-Line Area. M8-1 is approximately 700-feet by 400-feet in areal extent. Figure A-46 of Appendix A presents the location of M8-1. This AOC contains many materials associated with the production and handling of smokeless gunpowder and solid rocket fuel. Several of the materials contained within M8-1 include: smokeless powder press screens, smokeless powder storage bags, rocket motor housings, and drum carcasses. The historical records indicate this disposal area was created to handle the debris resulting from the large 1940 explosion. Since M8-1 is associated with the clean-up operations of a large explosion during World War II and materials associated with the production and handling of smokeless powder and solid rocket fuels are present at the surface it is unsafe to physically penetrate the disposal area and evaluate buried objects. Figures 3.1-1 through 3.1-4 of Appendix C illustrate the results of the geophysical investigation conducted at this AOC.

The results of the geophysical investigation identified a large number of subsurface objects indicative of drums, reinforced concrete, and various other unidentifiable materials. This is consistent with the surface expression of materials placed within this AOC.

8.6 N6-1 DISPOSAL AREA

N6-1 (Disposal Area) is located within the Storage Area and is approximately 650-feet by 450-feet in areal extent. Figure A-82 of Appendix A presents the location of N6-1. This

AOC contains materials consistent with a large scale facility dismantlement activity. Several of the materials identified at the surface of the AOC include steel process vessels, drum carcasses, and large reinforced concrete blocks. The historical records do not indicate what this disposal area was related to, however it is anticipated that it is similar to M8-1. Since it is likely N6-1 is similar to M8-1, it is considered unsafe to physically penetrate the disposal area and evaluate the buried objects. Figures 3.2-1 through 3.2-4 of Appendix C illustrate the results of the geophysical investigation conducted at this AOC.

The results of the geophysical investigation identified a large number of subsurface objects indicative of drums, process tanks, reinforced concrete, and various other unidentifiable materials. This is similar to the materials contained within M8-1.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1 CONCLUSIONS

The Soil – SI completed the stated objective of categorizing the more than 1,200 AOCs at the facility into those requiring no further action (NFA) and those requiring further action (FA) based on the criteria presented in the Technical Requirements (N.J.A.C. 7:26E-3.3). In addition to fulfilling the requirements of a site investigation, sufficient information was available, due to the large number of analytical samples collected (approximately 1900), to begin preliminary remedial investigation tasks. The following paragraphs present specific conclusions and recommendations of the Soil – SI:

- The required sample frequencies and analytical suites presented in the Soil – Site Investigation Sampling and Analysis Plan were met for all AOCs present at the facility, except for 20 AOCs that require further sampling. The remaining sampling and analysis constitutes significantly less than 1% of the field activities conducted as part of the Soil – SI. The remaining activities will be conducted as part of the next field effort and be reported to the NJDEP as an addendum to the Soil – SI or as part of the subsequent remedial investigation.

- The data quality objectives established for laboratory analysis of samples collected in the field were met. The evaluation of the laboratory analysis against the USEPA precision, accuracy, representativeness, comparability, and completeness parameters determined that the laboratory data is of known and acceptable quality as qualified. Therefore, the laboratory data generated for the Soil – SI are considered valid and usable for decision-making purposes.

- The evaluation of background concentrations of constituents detected within the manufacturing areas of the facility identified that beryllium, ranging in concentration from 0.64 mg/kg to 2.8 mg/kg represents natural conditions. Therefore, beryllium detected within the manufacturing areas of the facility within this range exceeding the RDCSCC does not warrant additional investigation. The background concentrations of the remaining constituents detected within the manufacturing areas of the facility did not exceed the RDCSCC. Therefore, detected concentrations exceeding the RDCSCC are likely the result of historic facility operations.

- The results of the laboratory analysis identified 5 VOCs, 16 SVOCs, 12 metal constituents, 8 E&E compounds, and total PCBs as having exceeded the NJSCC at least once at the Facility. The analytical groups, constituents, and number of specific NJSCC exceedances site-wide include:

VOCs	Number of IGWSCC Exceedances	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances
Acrylonitrile	1	1	0
Benzene	5	5	0
Chlorobenzene	1	0	0
Methylene Chloride	6	0	0
Trichloroethylene (TCE)	1	0	0
SVOCs	**Number of IGWSCC Exceedances**	**Number of RDCSCC Exceedances**	**Number of NRDCSCC Exceedances**
Benzyl Butyl Phthalate	1	0	0
Bis(2-Ethylhexyl)phthalate	0	1	0
Benzo(a)anthracene	0	123	30
Benzo(a)pyrene	0	148	148
Benzo(b)fluoranthene	1	175	41
Benzo(k)fluoranthene	0	72	13
Chrysene	0	11	1
Dibenz(a,h)anthracene	0	20	20
1,4-Dichlorobenzene	1	0	0
Diethyl Phthalate	1	0	0
Di-n-butyl Phthalate	3	0	0
2,4-Dinitrophenol	2	0	0
2,4/2,6-Dinitrotoluene	363	83	36
Indeno(1,2,3-c,d)pyrene	0	66	12
N-Nitrosodiphenylamine	1	1	0
N-Nitrosodi-n-propylamine	0	4	4
Metals, Total	**Number of IGWSCC Exceedances**	**Number of RDCSCC Exceedances**	**Number of NRDCSCC Exceedances**
Silver	NA	1	0
Arsenic	NA	276	276
Beryllium	NA	2	2

Metals, Total	Number of IGWSCC Exceedances	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances
Cadmium	NA	1	1
Copper	NA	57	57
Mercury	NA	30	4
Nickel	NA	7	0
Lead	NA	254	192
Antimony	NA	18	3
Selenium	NA	3	0
Thallium	NA	39	39
Zinc	NA	32	32
E&E	**Number of IGWSCC Exceedances**	**Number of RDCSCC Exceedances**	**Number of NRDCSCC Exceedances**
2-Amino-4,6-Dinitrotoluene	30	3	1
4-Amino-2,6-Dinitrotoluene	NA	3	0
1,3-Dinitrobenzene	20	1	0
2,4/2,6-Dinitrotoluene	166	74	33
Octahydro-1,3,5,7-Tetranitro-1.3.5.7-Tetrazocine	NA	1	0
Nitroglycerin	NA	92	38
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine	NA	4	2
2,4,6-Trinitrotoluene	108	12	10
PCBs	**Number of IGWSCC Exceedances**	**Number of RDCSCC Exceedances**	**Number of NRDCSCC Exceedances**
Total PCBs	1	17	8

- Based on the frequency of RDCSCC exceedance, 13 Frequent Exceedance Constituents (FECs) were identified. The FECs are comprised of 6 SVOCs, 4 metal constituents, 2 E&E compounds, and total PCBs. The primary FECs consisted of DNT (DNT-SVOC method SW-846-8270, and DNT-E&E method SW-846-8330), benzo(a)anthracene (SVOC), benzo(a)pyrene (SVOC), and benzo(b)fluoranthene (SVOC), and 2 metal constituents (Arsenic and Lead). The occurrence and spatial distribution of FECs indicates they are primarily associated with the former manufacturing/laboratory structures and the historic use of fly ash. To a lesser extent the FECs are related to discharge points/remnant activity areas. Arsenic is primarily associated with the historic use of herbicides. The PAH FECs are related to the fly ash that was used to improve the grade of the facility, supporting the expansion of manufacturing activities.

- The following embedded table presents the results of the AOC categorization process into AOCs requesting NFA and AOCs requiring FA:

Operational Area	Total Number of AOCs	Total Number of AOCs Requesting NFA	Percentage of AOCs Requesting NFA per Operational Area	Total Number of AOCs Requiring FA	Percentage of AOCs Requiring FA per Operational Area
TNT	61	13	21%	48	79%
DYNAMITE	108	53	49%	55	51%
NG	118	58	49%	60	51%
PETN	7	1	14%	6	86%
DEVELOPMENT	191	81	42%	110	58%
DIAZO	6	3	50%	3	50%
MAINTENANCE	169	48	28%	121	72%
B-LINE	129	47	36%	82	64%
A-LINE	147	71	48%	76	52%
FINISHING	89	42	47%	47	53%
AN	44	17	39%	27	61%
STORAGE	118	69	58%	49	42%
MISCELLANEOUS/ OFFSITE	24	14	58%	10	42%
TOTAL	**1211**	**517**	-	**694**	-

- The geophysical investigation provided the information necessary to safely and successfully conduct future remedial investigation activities at AOCs B13-2, G9-4, K5-1, K5-2, K6-1, M8-1, and N6-1.

9.2 RECOMMENDATIONS

- Conduct the remaining Soil – SI field-sampling activities as part of the next field effort expected to begin in second or third quarter 2005. The results will be reported to the NJDEP as an addendum to the Soil – SI or as part of the subsequent remedial investigation.

- Utilize the information collected as part of the Soil – SI to focus the groundwater, surface water, and sediment site investigations. Following the groundwater, surface water, and sediment site investigations, perform a Baseline Ecological Evaluation as specified in N.J.A.C 7:26E-3.11. Hercules plans to petition the NJDEP as part of the Baseline Ecological Evaluation Work Plan to combine areas where closely located AOCs have been identified to contain similar exceedances of the NJSCC, thus focusing the ecological evaluation on a site-wide or area basis instead of an AOC-specific basis.

- Utilize the FEC posting maps to group AOCs in similarly contaminated areas for remedial investigation efforts. The remedial investigation, when appropriate, should focus on contaminated areas rather than individual AOCs.

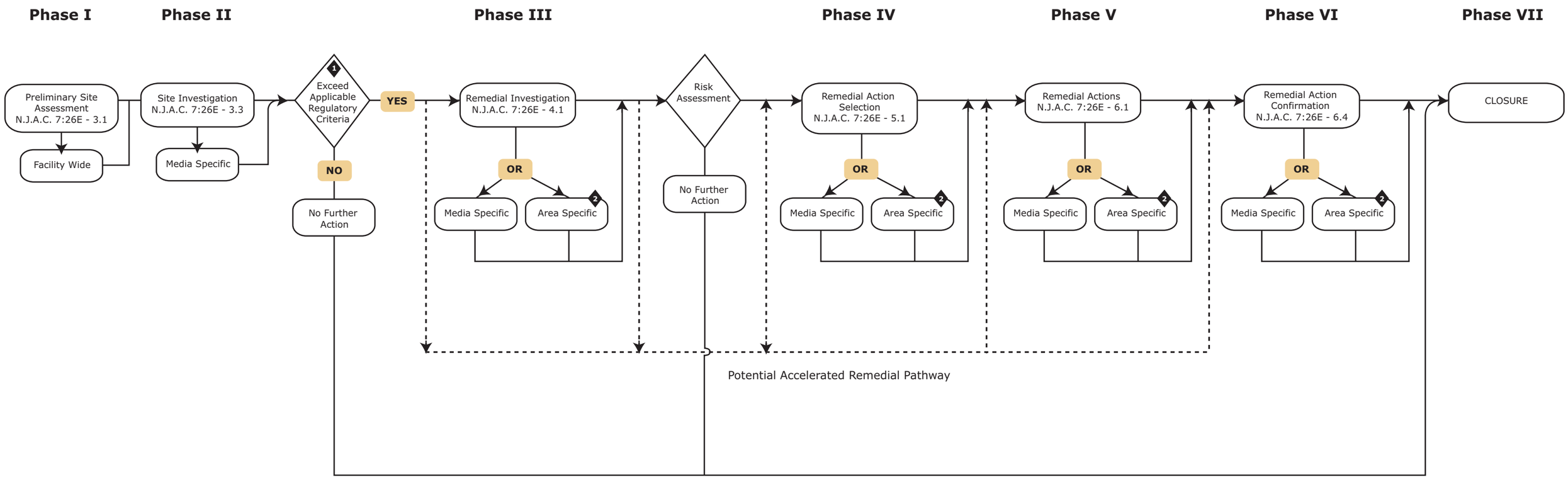
- Evaluate the likely potential that the fly ash used to support facility expansion meets the NJDEP definition of historic fill and if it is subject to the applicable historic fill regulations.

- Generate site-specific clean-up standards for the facility utilizing the information collected (i.e. grain-size and total organic carbon) during the Soil – SI. Generic clean-up standards are based on generalized assumptions regarding soil chemistry, physical parameters, and exposure scenarios. Sufficient data have been collected to support the development of site-specific clean-up standards based on the known facility conditions and probable future exposure scenarios. Additionally, there are currently no generic clean-up standards for NC, PETN, and Diazo.

- Identify and evaluate the use of innovative technologies that may prove effective in remediating site constituents. In particular, innovative technologies have proven very effective for the remediation of E&E compounds at other E&E manufacturing facilities.

9.3 ITEMS FOR FURTHER CONSIDERATION

- Potentially using a declaration of environmental restriction on the facility to allow either limited restricted or restricted redevelopment. Limiting future redevelopment of the facility will allow delineation and remediation of constituents to the appropriate restricted use standards as defined by N.J.A.C. 7:26E-4.1(b).



NOTES:

1. REGULATORY CRITERIA

Soil
NJDEP Residential Direct Contact Soil Cleanup Criteria (NJDEP RDCSCC)
NJDEP Non-Residential Direct Contact Soil Cleanup Criteria (NJDEP NRDCSCC)
NJDEP Impact to Groundwater Criteria (NJDEP IGWSCC)

Groundwater
NJDEP Class II-A Criteria

Surface Water
NJDEP Surface Water Quality Standards

Sediment
NJDEP Guidance for Sediment Quality

2. AREAS

1. Trinitrotoluene (TNT) Area
2. Dynamite Area
3. Nitroglycerin (NG) Area
4. Pentaethritol (PETN) Area
5. Development Area
6. Diazodinitrophenol (DIAZO) Area
7. Maintenance Area
8. B-Line Area
9. A-Line Area
10. Finishing Area
11. Ammonia Nitrate Area
12. Storage Area
13. Miscellaneous/Off-Site Area

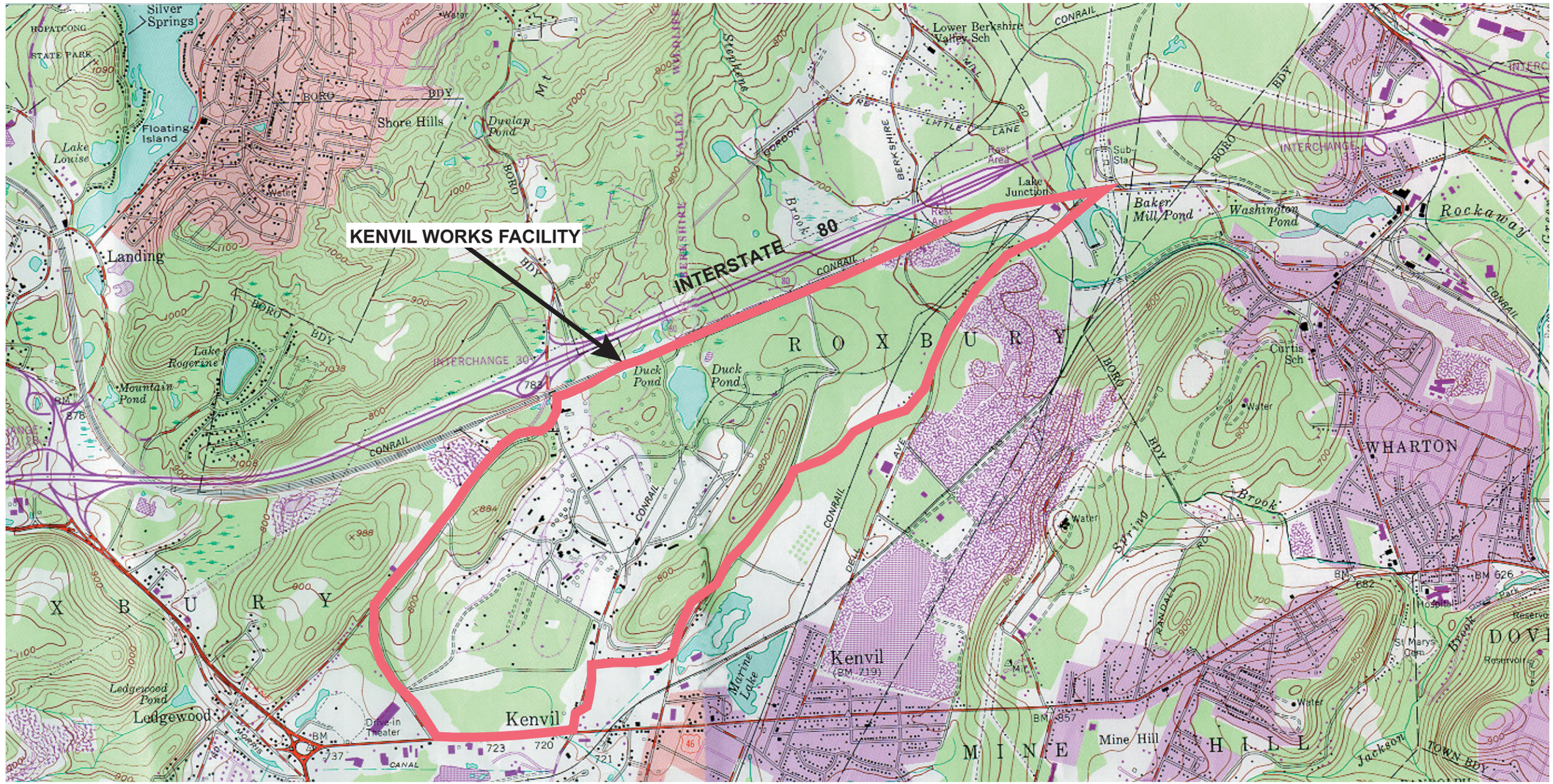
PHASE I - SITE INVESTIGATION
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY-WIDE RESTORATION STRATEGY

MWH

FIGURE 1-1

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Figure 1-1.ai



NEW JERSEY

Source: Base map developed from the Stanhope, New Jersey 7.5 minute U.S.G.S. Topographic Quadrangle Map, dated 1954, photorevised 1981.

SCALE IN FEET

0 2000 4000

north

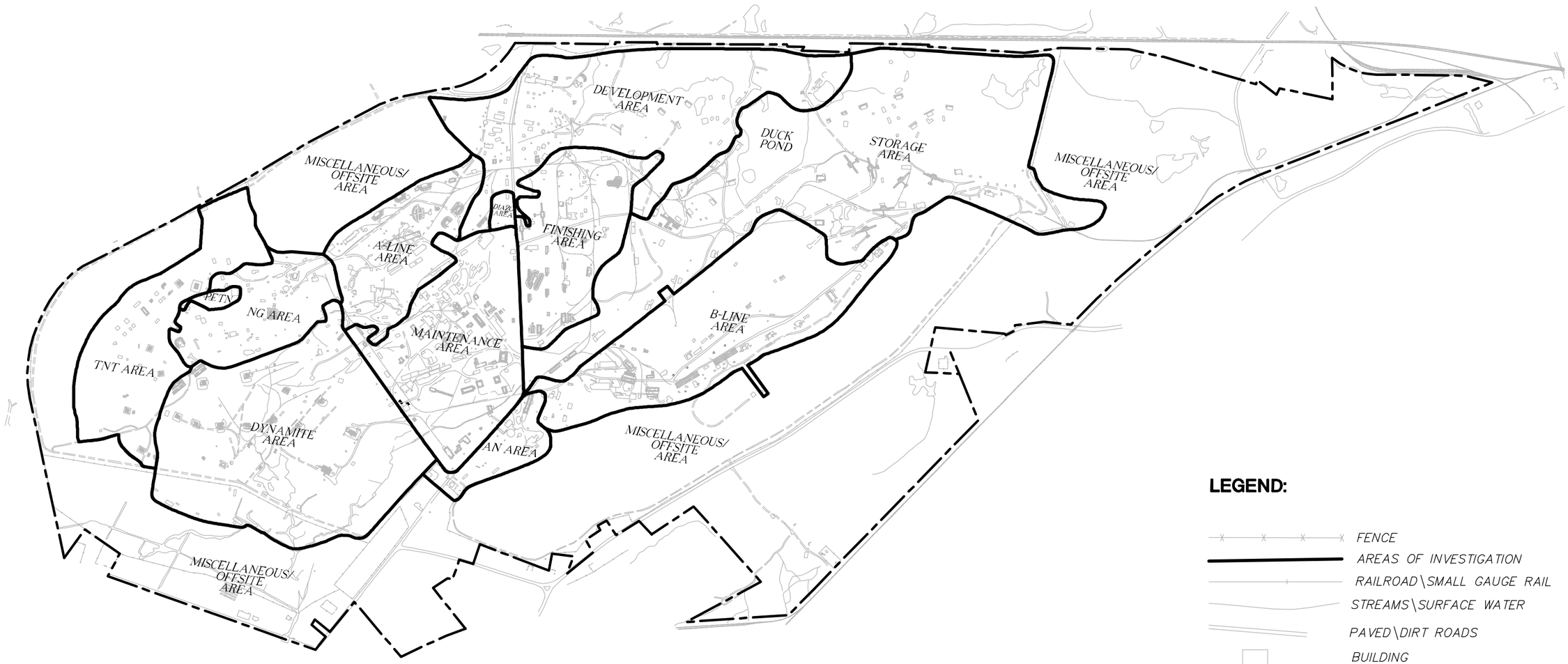
PHASE I - SITE INVESTIGATION
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY MAP

MWH

FIGURE 1-2

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-2.ai



LEGEND:

- FENCE
- AREAS OF INVESTIGATION
- RAILROAD\SMALL GAUGE RAIL
- STREAMS\SURFACE WATER
- PAVED\DIRT ROADS
- BUILDING

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THIS FILE IS IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

north

0 1000 2000

SCALE IN FEET

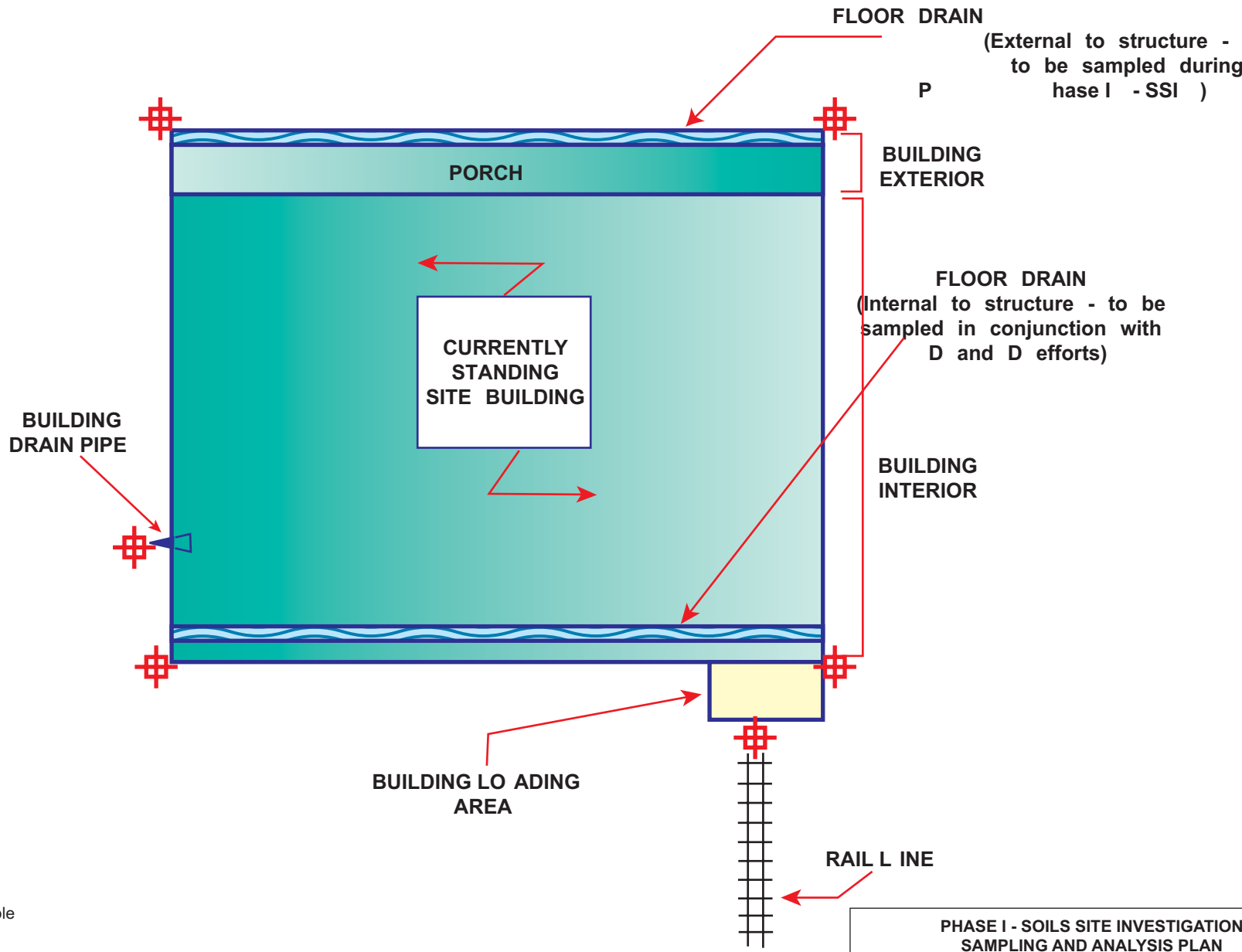
SOILS SITE INVESTIGATION
HERCULES INCORPORATED
KENVIL WORKS FACILITY, NEW JERSEY

SITE MAP

MWH

FIGURE 1-3

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LEGEND

= Screening Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.

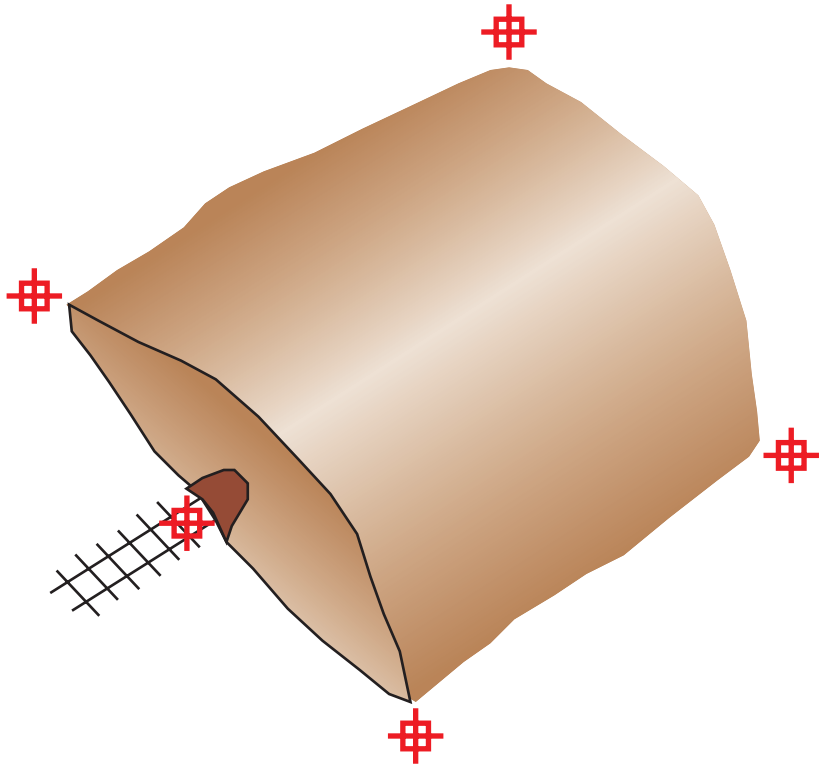
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - EXISTING BUILDINGS

MWH

FIGURE 1-4

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-4.ai



LEGEND

= Screening Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.

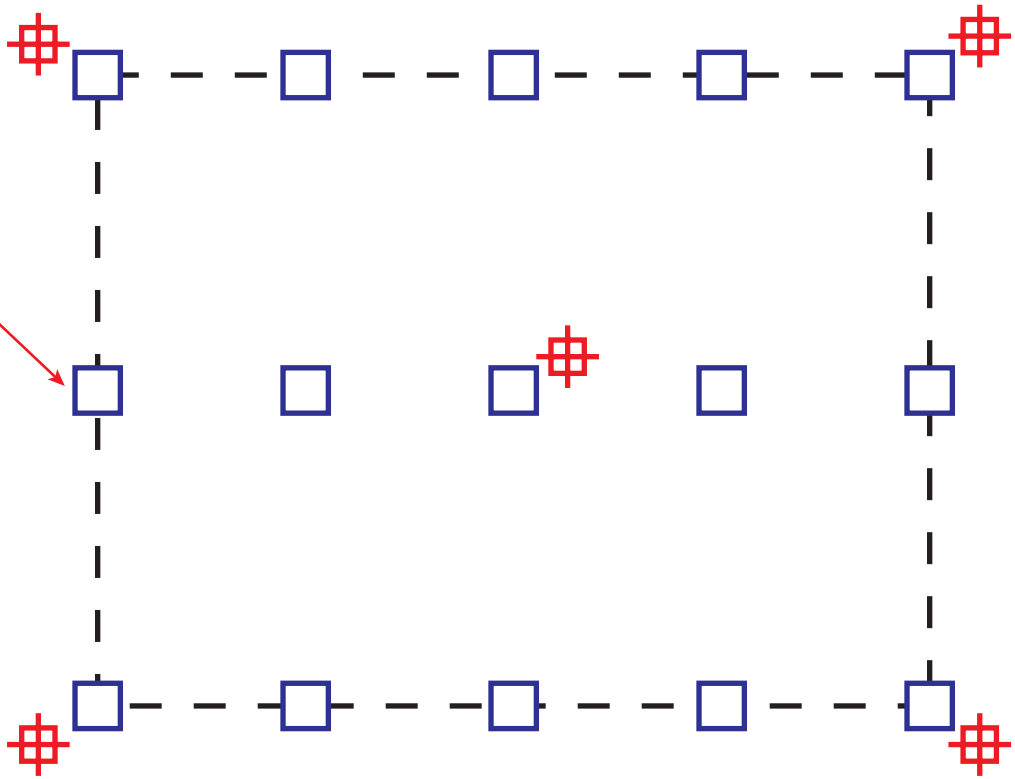
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - SOIL COVERED BUILDINGS

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FIGURE 1-5

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-5.ai



LEGEND

= Screening Sample

= Concrete Post Footing

= Apparent Building Footprint

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.
3. Screening samples will be collected at the following frequency:
   - Building size is less than 300 ft^2: 3 screening samples.
   - Building size is greater than 300 ft^2 and less than 1,000 ft^2: 4 screening samples.
   - Building size is greater than 1,000 ft^2: 5 screening samples.

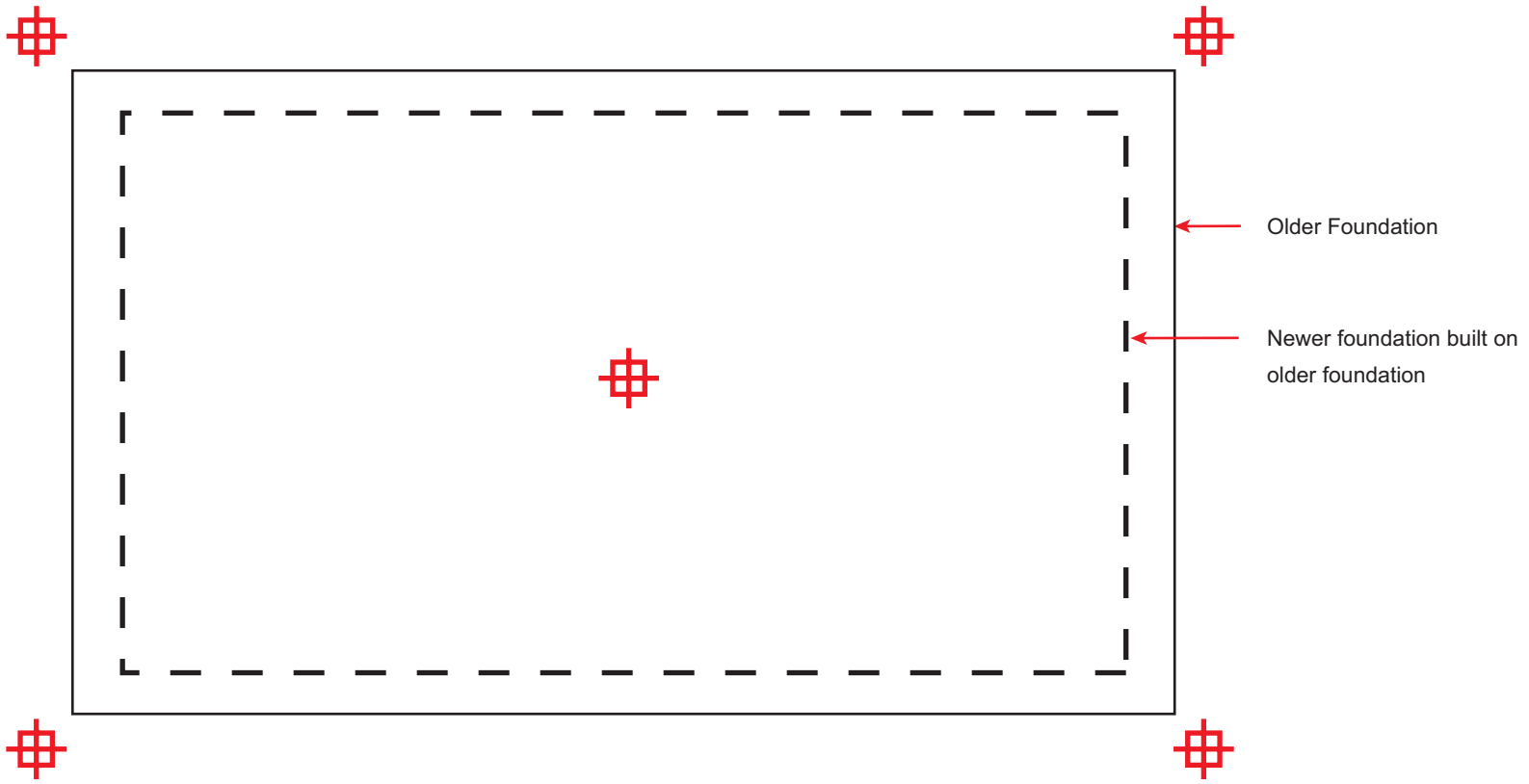
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - REMNANT BUILDINGS - LOCATION EVIDENT

MWH

FIGURE 1-6

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-6.ai



LEGEND

= Screening Sample

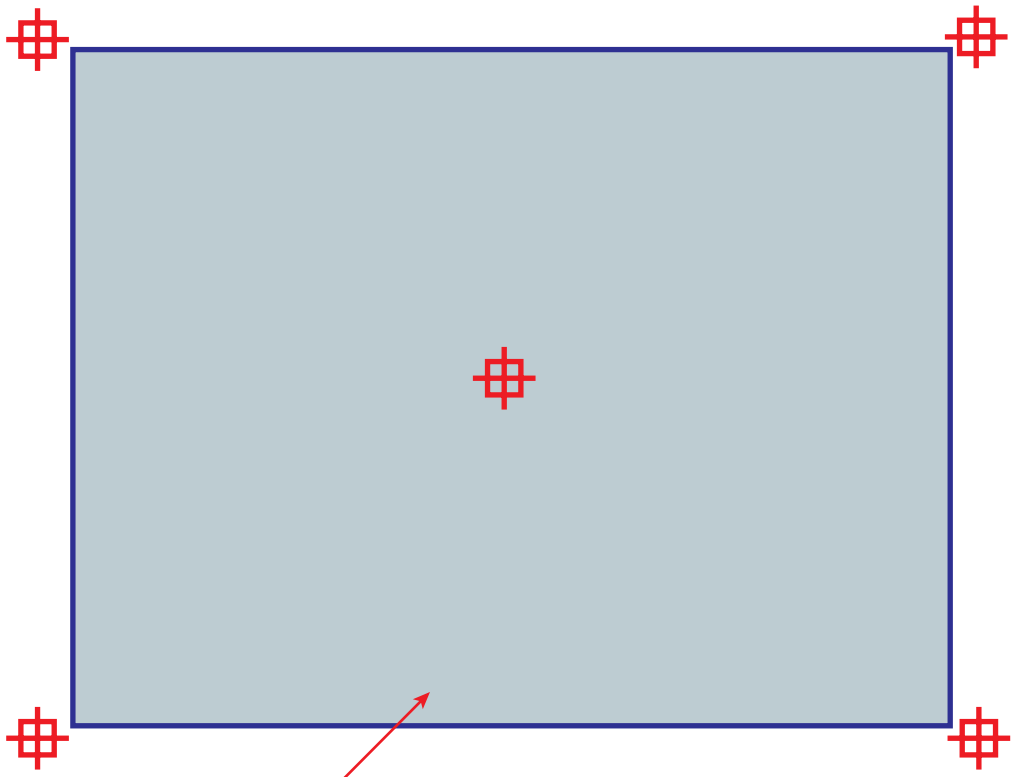
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - REMNANT BUILDINGS - MULTIPLE USE

MWH

FIGURE 1-7

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-7.ai



LEGEND

= Screening Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.
3. Screening samples will be collected at the following frequency:
   - Building size is less than 300 ft^2: 3 screening samples.
   - Building size is greater than 300 ft^2 and less than 1,000 ft^2: 4 screening samples.
   - Building size is greater than 1,000 ft^2: 5 screening samples.

PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

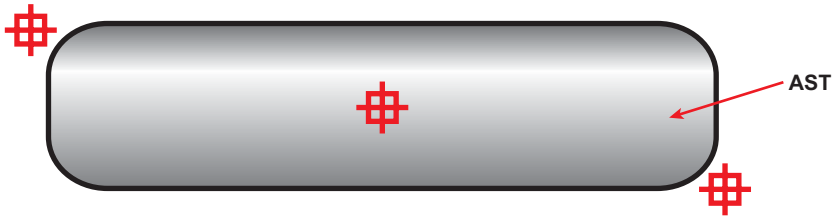
FACILITY SCREENING STRATEGY - REMNANT BUILDINGS - LOCATION DETERMINED FROM HISTORIC MAPS

MWH

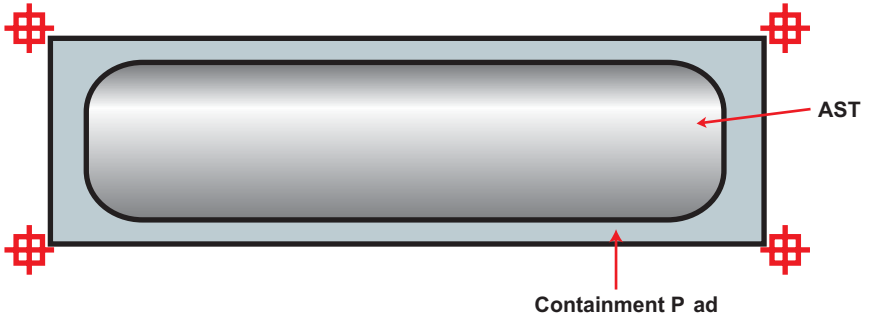
FIGURE 1-8

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-8.ai

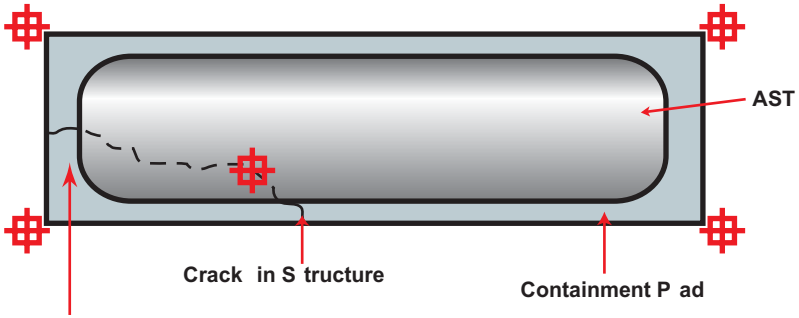
CONSTRUCTED ABOVE SOIL



CONSTRUCTED ABOVE I NTACT CONTAINMENT P AD

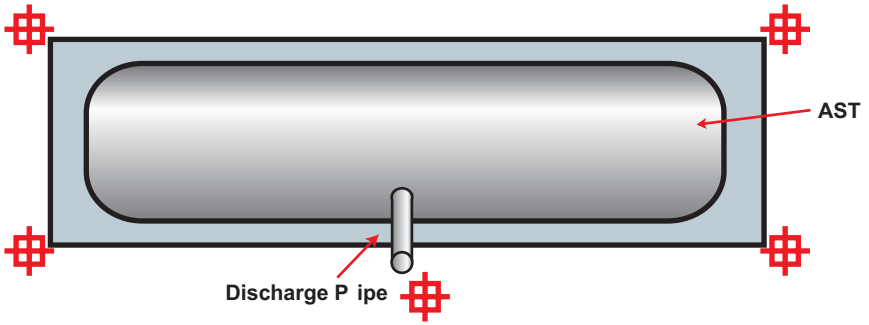


CONSTRUCTED ABOVE CRACKED CONTAINMENT P AD



Borings required where containment contact with soil is possible. (Borings to be installed in conjunction with building D & D efforts)

CONSTRUCTED ABOVE CONTAINMENT P AD WIT H DISCHARGE PIPE



LEGEND

= Screening Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.

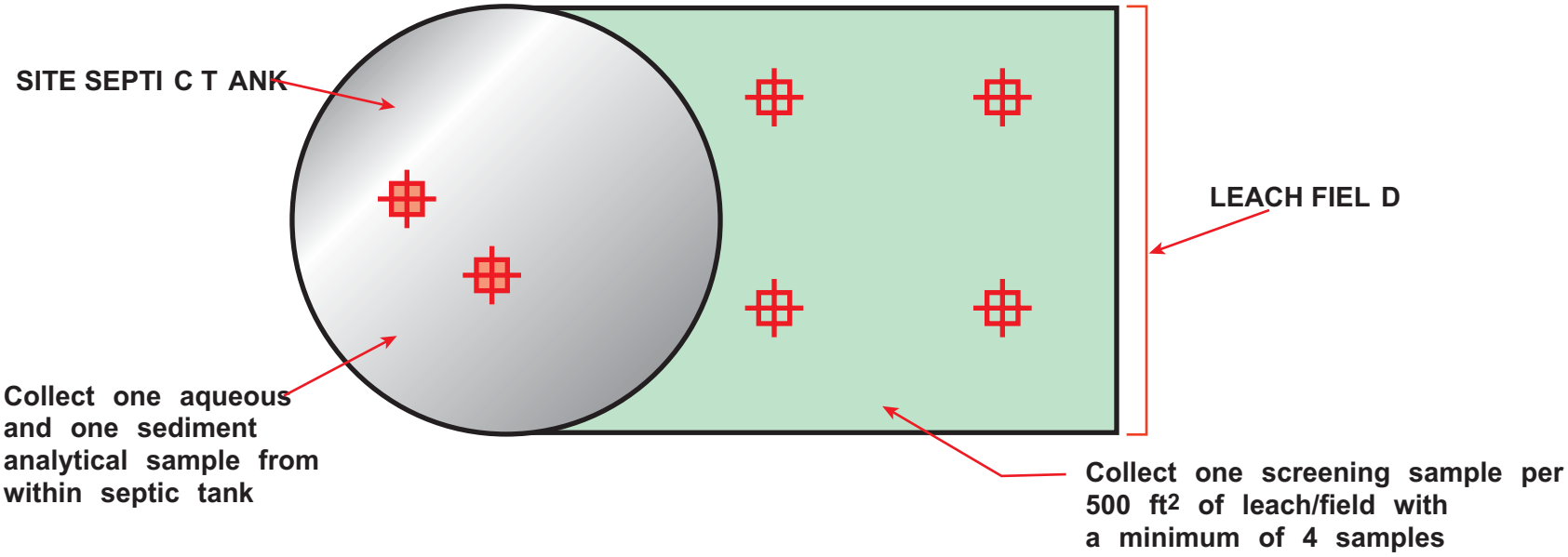
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - ABOVE GROUND STORAGE TANKS/TANK SADDLES

MWH

FIGURE 1-9

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-9.ai



LEGEND

= Laboratory Analytical Sample

= Screening Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted on 10% of all screening samples with a minimum of two laboratory samples per AOC.
3. Septic tanks to be investigated during Phase I activities are inactive.

PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

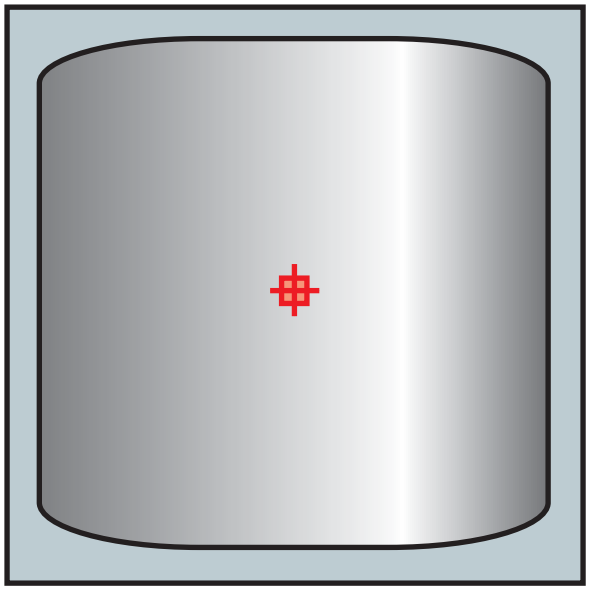
FACILITY SCREENING STRATEGY - SEPTIC TANKS/LEACH FIELDS

MWH

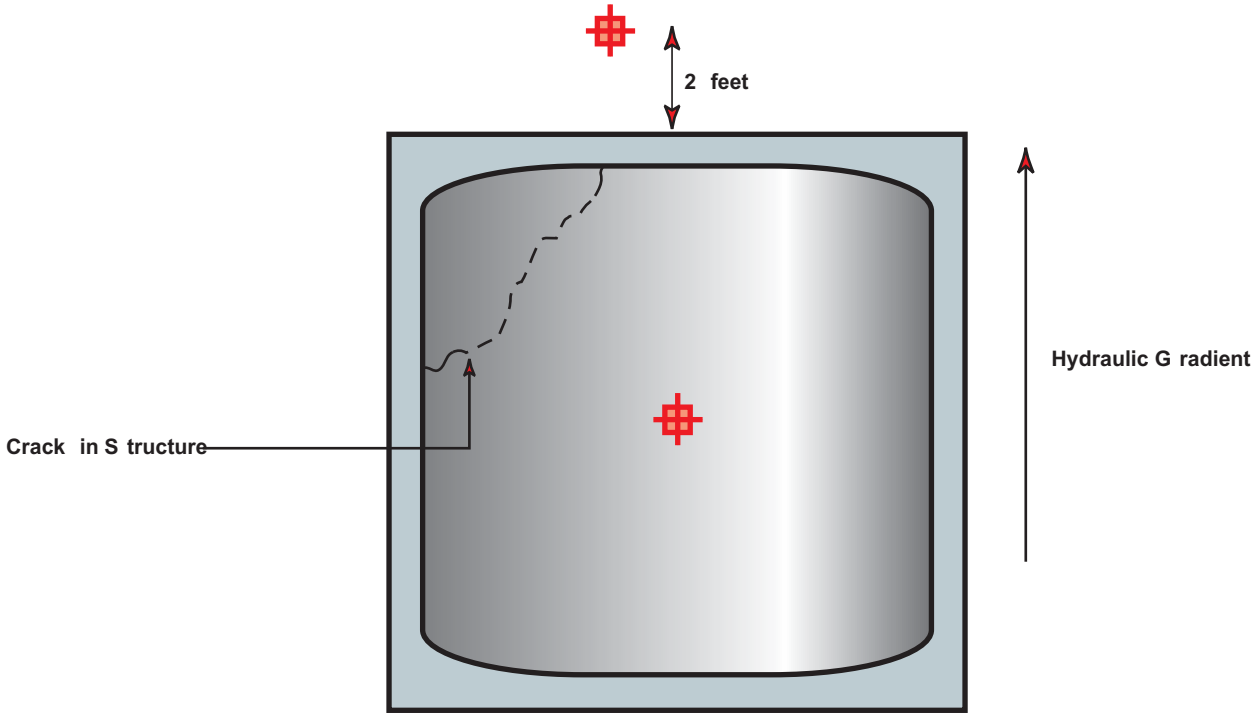
FIGURE 1-10

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-10.ai

INTACT SPILL CONTAINMENT ST RUCTURE/CULVERT/WASTEWATER PIT



CRACKED SPILL CONTAINMENT ST RUCTURE/CULVERT/WASTEWATER PIT



LEGEND

= Laboratory Analytical Sample

NOTES:
1. Laboratory analytical sample will be collected of sediment within spill containment structure/culvert/wastewater pit.
3. If cracked, one additional laboratory analytical sample will be collected within 2 feet downgradient of spill containment/culvert/wastewater pit.

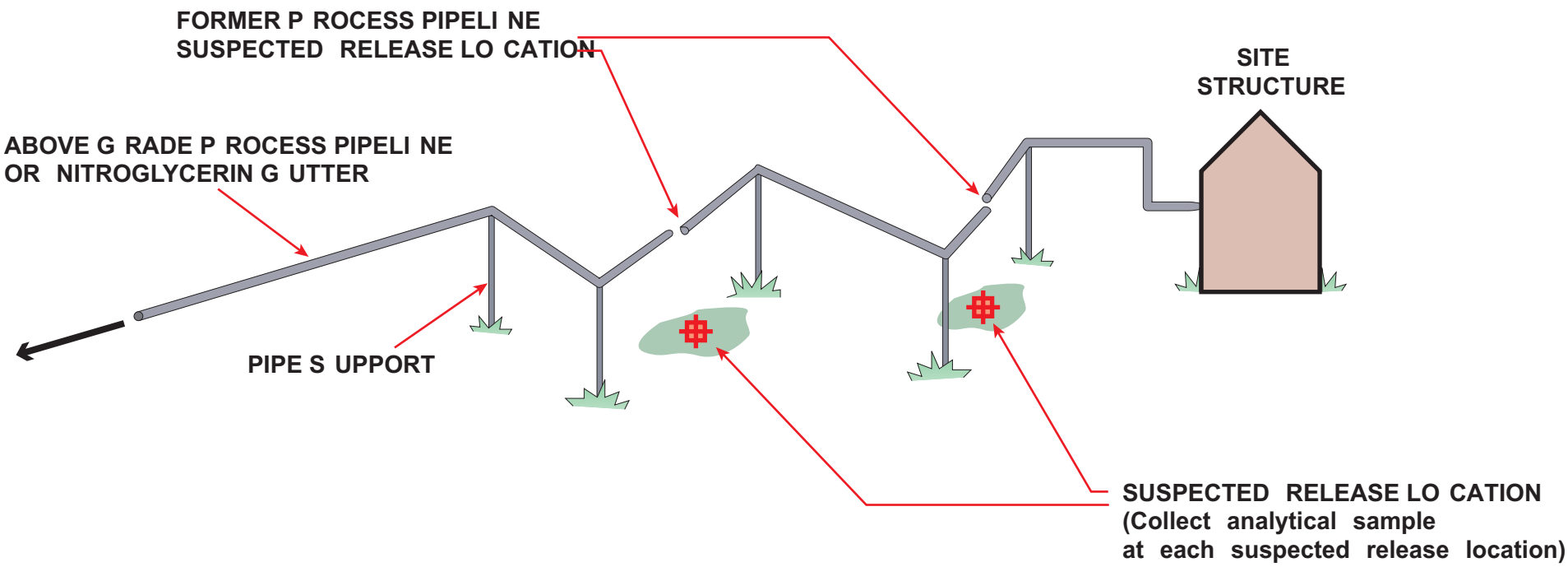
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - SPILL CONTAINMENTSTRUCTURE/ CULVERT/WASTEWATER PIT

MWH

FIGURE 1-11

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-11.ai



LEGEND

= Laboratory Analytical Sample

NOTES:

1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Sampling will only be conducted at suspected release locations.

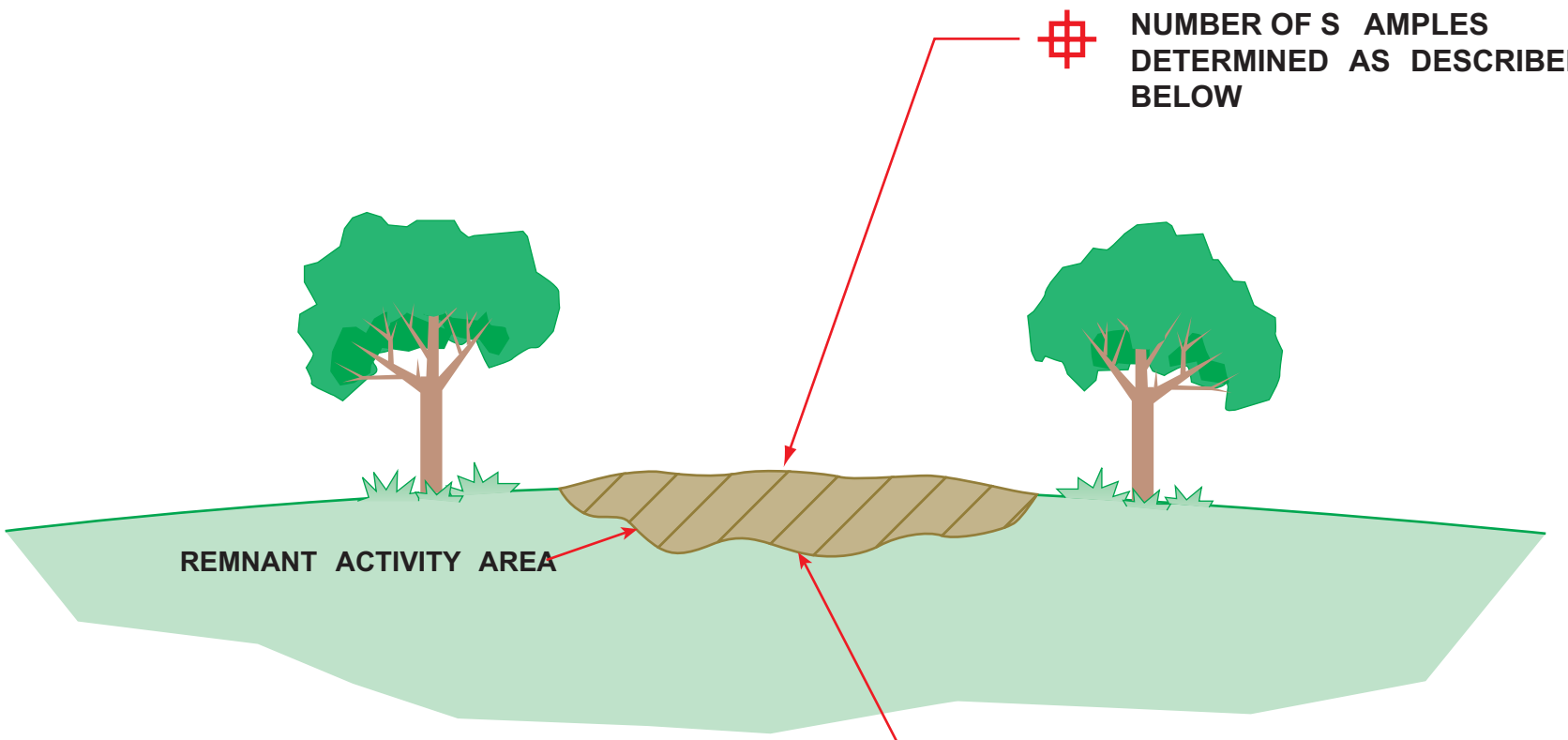
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - ABOVE GRADE PROCESS PIPELINES/ PROCESS GUTTERS

MWH

FIGURE 1-12

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SAMPLE COLLECTION F REQUENCY:

REMNANT ACTIVITY AREA SIZE (Ft^2)	FIELD S CREENING SAMPLES
X < 3,000	1/300 F t^2
3,000 < X < 12,000	1 additional per each 900 F t^2 above 3,000 F t^2
X > 12,000	20

LEGEND

= Screening Sample

NOTES:
1. Samples collected for laboratory analysis shall be biased based on the following: field screening results; areas of suspected greatest contamination; area history; discolored soil; stressed vegetation; drainage patterns; odors; or professional judgments.
2. Laboratory analytical sampling will be conducted at a frequency of one sample per each 900 ft^2 with a minimum of 2 samples and a maximum of 20 samples.

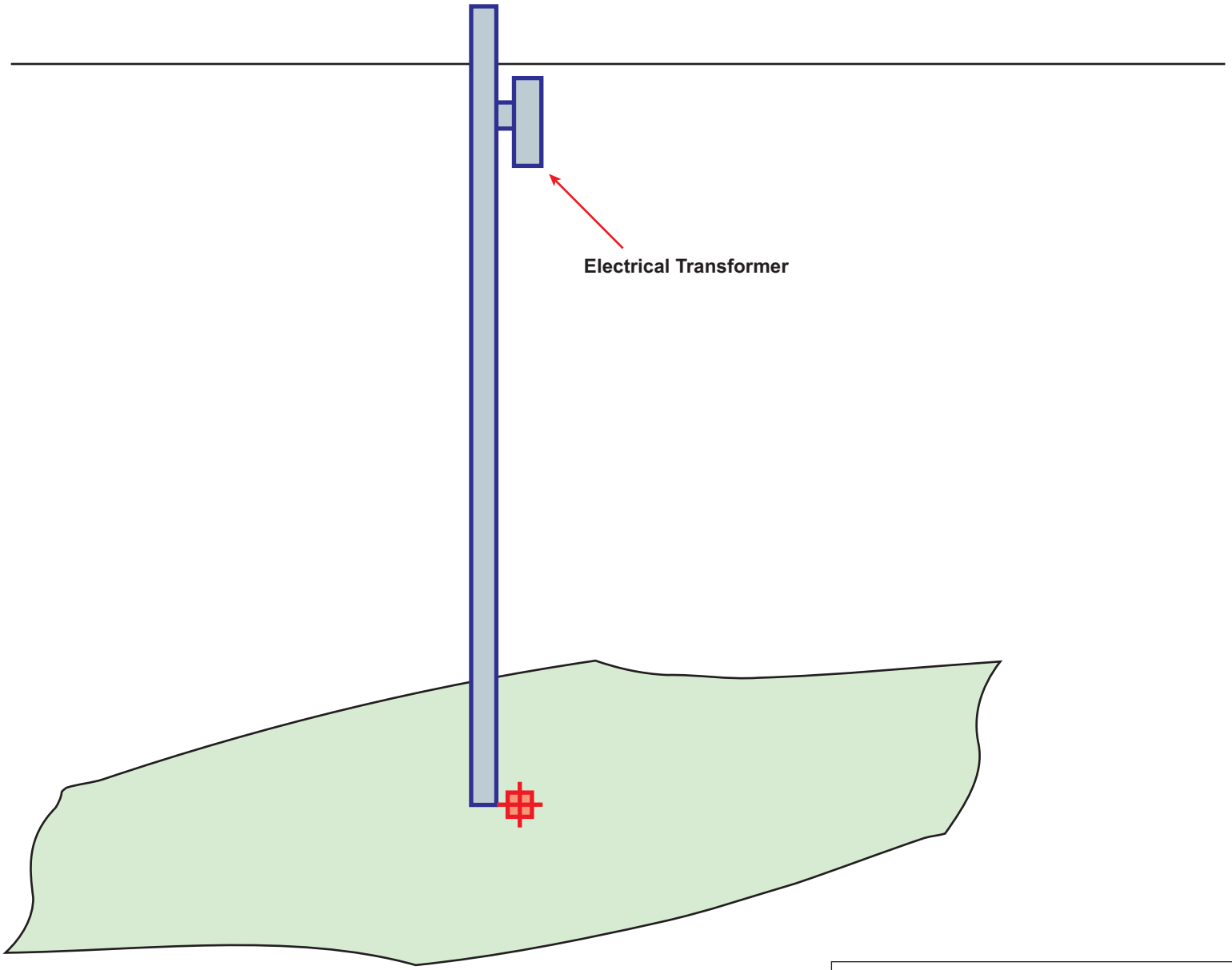
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - REMNANT ACTIVITY AREAS

MWH

FIGURE 1-13

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-13.ai



LEGEND

= Laboratory Analytical Sample

NOTES:
1. A laboratory analytical sample will be collected below transformers and electrical substations.

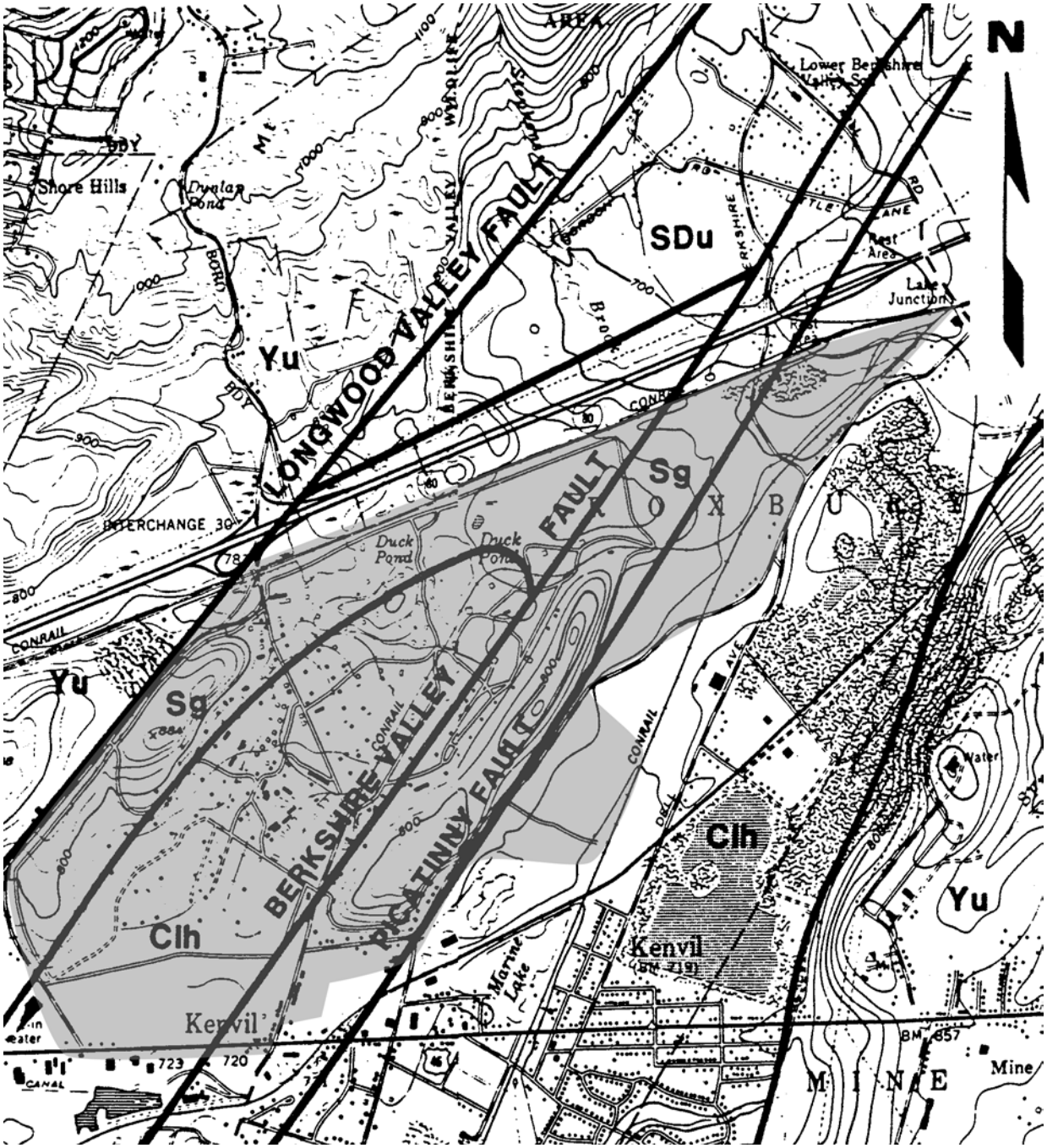
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

FACILITY SCREENING STRATEGY - TRANSFORMERS/ELECTRIC SUBSTATIONS

MWH

FIGURE 1-14

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-14.ai



LEGEND

SDu	UNDIFFERENTIATED SILURIAN AND DEVONIAN UNITS
Sg	GREEN POND FORMATION
Clh	LEITHSVILLE AND HARDYSTON FORMATION
Yu	PROTEROZOIC BEDROCK UNITS

Shaded Area = Kenvil Works Facility

GEOLOGY ADAPTED FROM HERMAN ET AL (1991)

Source: U.S.G.S. Stanhope, NJ, Quadrangle 1954 7.5. Minutes Series (Topographic). Photorevised 1981, and U.S.G.S. Dover, NJ, Quadrangle 1954 7.5 Minute Series (Topographic). Photorevised 1981.

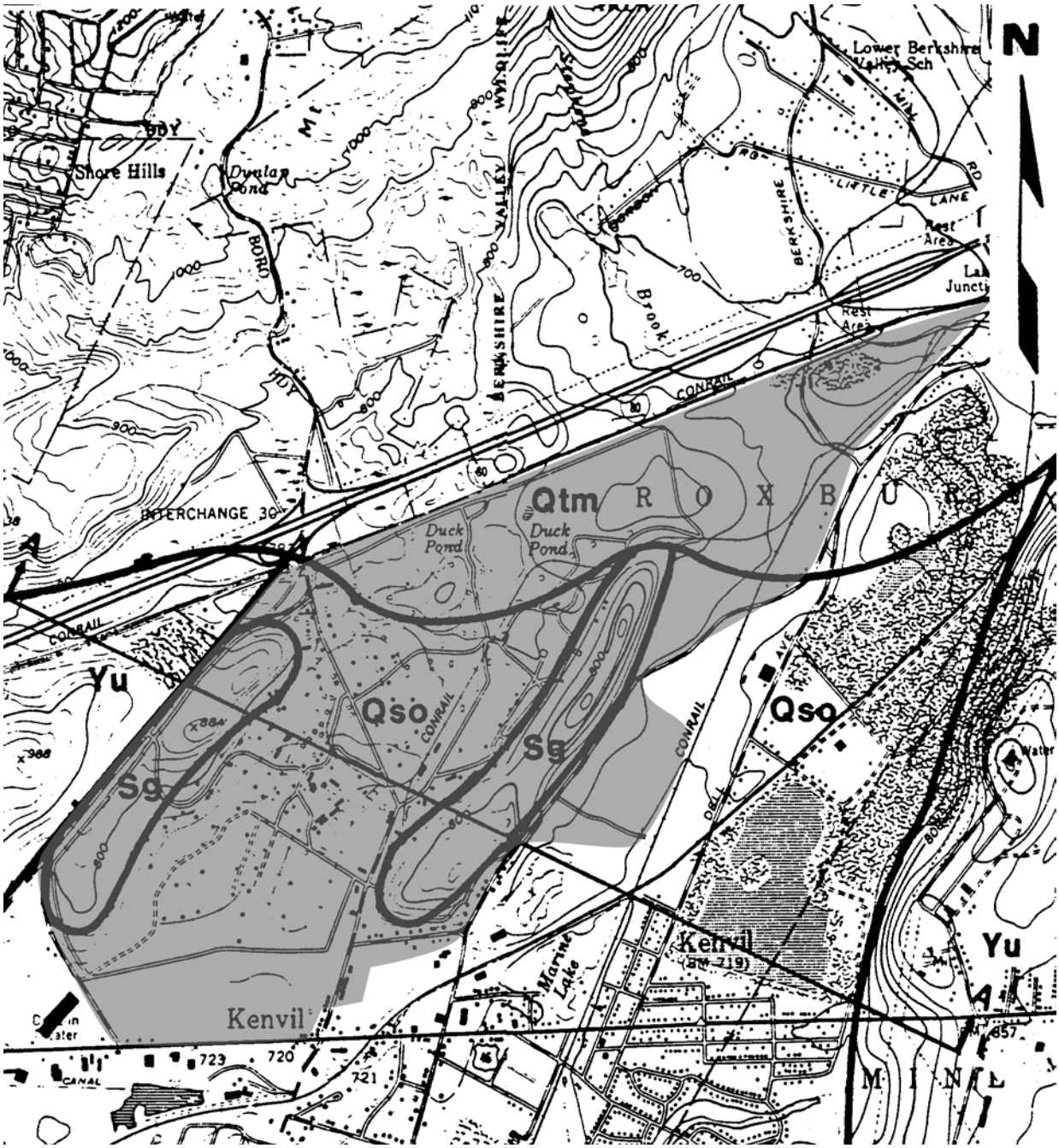
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

BEDROCK GEOLOGIC MAP

MWH

FIGURE 1-15

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-15.ai



LEGEND

Qtm	TERMINAL MORAINE DEPOSITS
Qso	UPPER SAND AND GRAVEL OUTWASH
Sg	GREEN POND FORMATION
Yu	PROTEROZOIC BEDROCK UNITS

Shaded Area = Kenvil Works Facility

GEOLOGY ADAPTED FROM HERMAN ET AL (1991) AND STANFORD (1989)

Source: U.S.G.S. Stanhope, NJ, Quadrangle 1954 7.5. Minutes Series (Topographic). Photorevised 1981, and U.S.G.S. Dover, NJ, Quadrangle 1954 7.5 Minute Series (Topographic). Photorevised 1981.

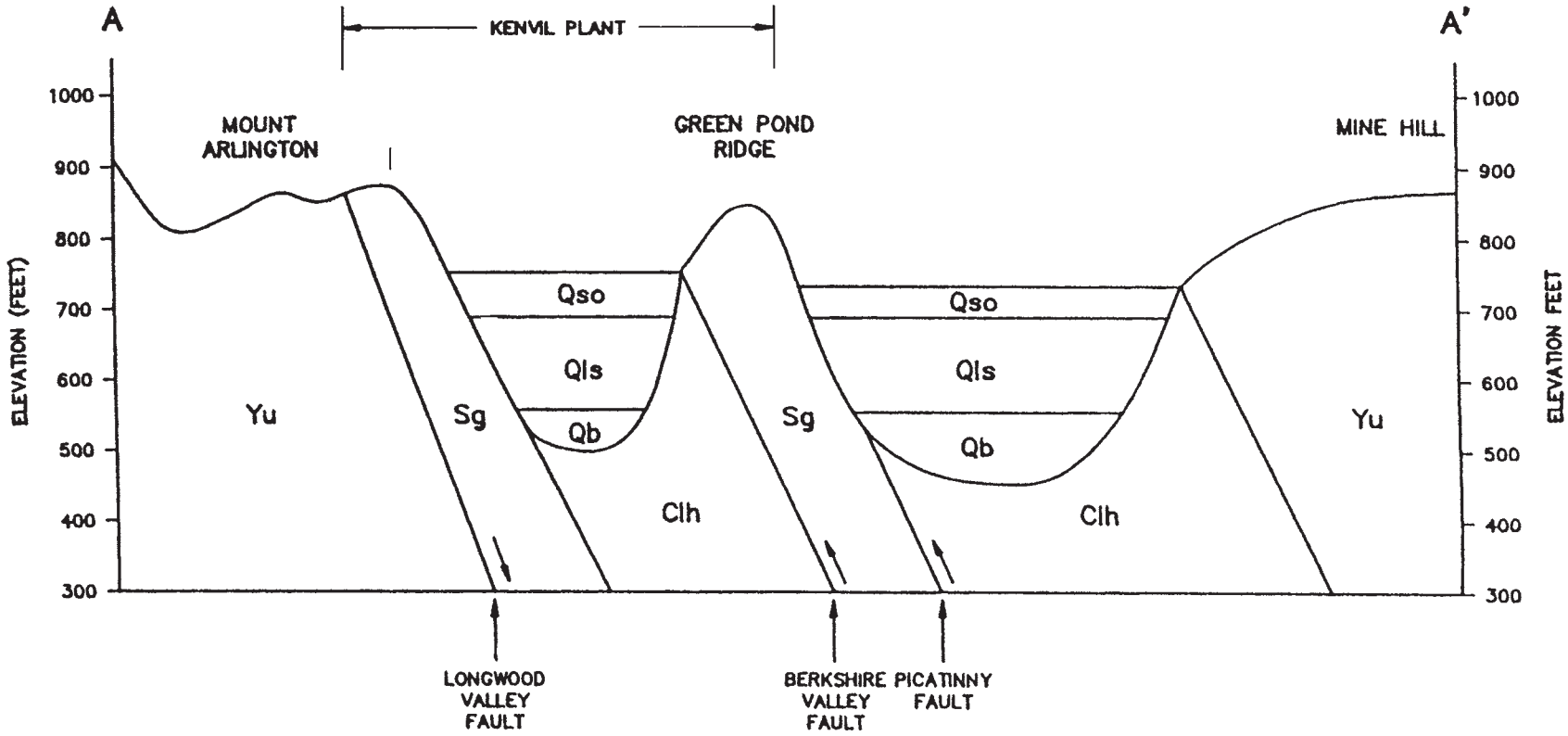
PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

BEDROCK SURFICIAL GEOLOGIC MAP

MWH

FIGURE 1-16

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-16.ai



LEGEND

GLACIAL VALLEY-FILL GEOLOGIC UNITS

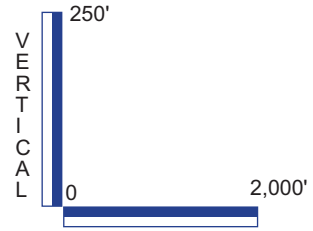
Qso	UPPER SAND AND GRAVEL OUTWASH
Qls	MIDDLE LACUSTRINE DEPOSITS
Qb	BASAL SAND AND GRAVEL

BEDROCK GEOLOGIC UNITS

Sg	GREEN POND FORMATION
Clh	LEITHSVILLE AND HARDYSTON FORMATIONS
Yu	PROTEROZOIC BEDROCK

GEOLOGY ADAPTED FROM HERMAN ET AL (1991) AND STANFORD (1989)

Source: ROUX Associates, Inc.



VERTICAL EXAGGERATION = 5x

PHASE I - SOILS SITE INVESTIGATION
SAMPLING AND ANALYSIS PLAN
KENVIL WORKS FACILITY, NEW JERSEY

REGIONAL GEOLOGIC CROSS-SECTION

MWH

FIGURE 1-17

S:\IND PROJECTS\Hercules-1267015\Kenvil\50-Soils SI Report\Final Report\Figures\Fig 1-17.ai

Appendix A
Area of Investigation Maps

HERCULES

Hercules - Kenvil Works Facility
Kenvil, New Jersey

Soils Site Investigation
Appendix A Area of Investigation Maps

APRIL 2004

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S:\MW PROJECTS\Hercules - 1267013\Kenvil\SSI- Draft - SI Report\Final Report\Figures\CAD\KenvilMaps\LOGATE.DWG

DEVELOPMENT AREA
DUCK POND
STORAGE AREA
MISCELLANEOUS/ OFFSITE AREA
MISCELLANEOUS/ OFFSITE AREA
DIXCO AREA
FINISHING AREA
B-LINE AREA
A-LINE AREA
MAINTENANCE AREA
PETN
NG AREA
AN AREA
MISCELLANEOUS/ OFFSITE AREA
TNT AREA
DYNAMITE AREA
MISCELLANEOUS/ OFFSITE AREA

LEGEND:

- NT1-9222-T1-T — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- 740 — TOPOGRAPHIC CONTOUR – 10 FOOT INTERVAL
- TOPOGRAPHIC CONTOUR – 2 FOOT INTERVAL

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" - REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 100 200 400

SCALE FEET
1" = 400'

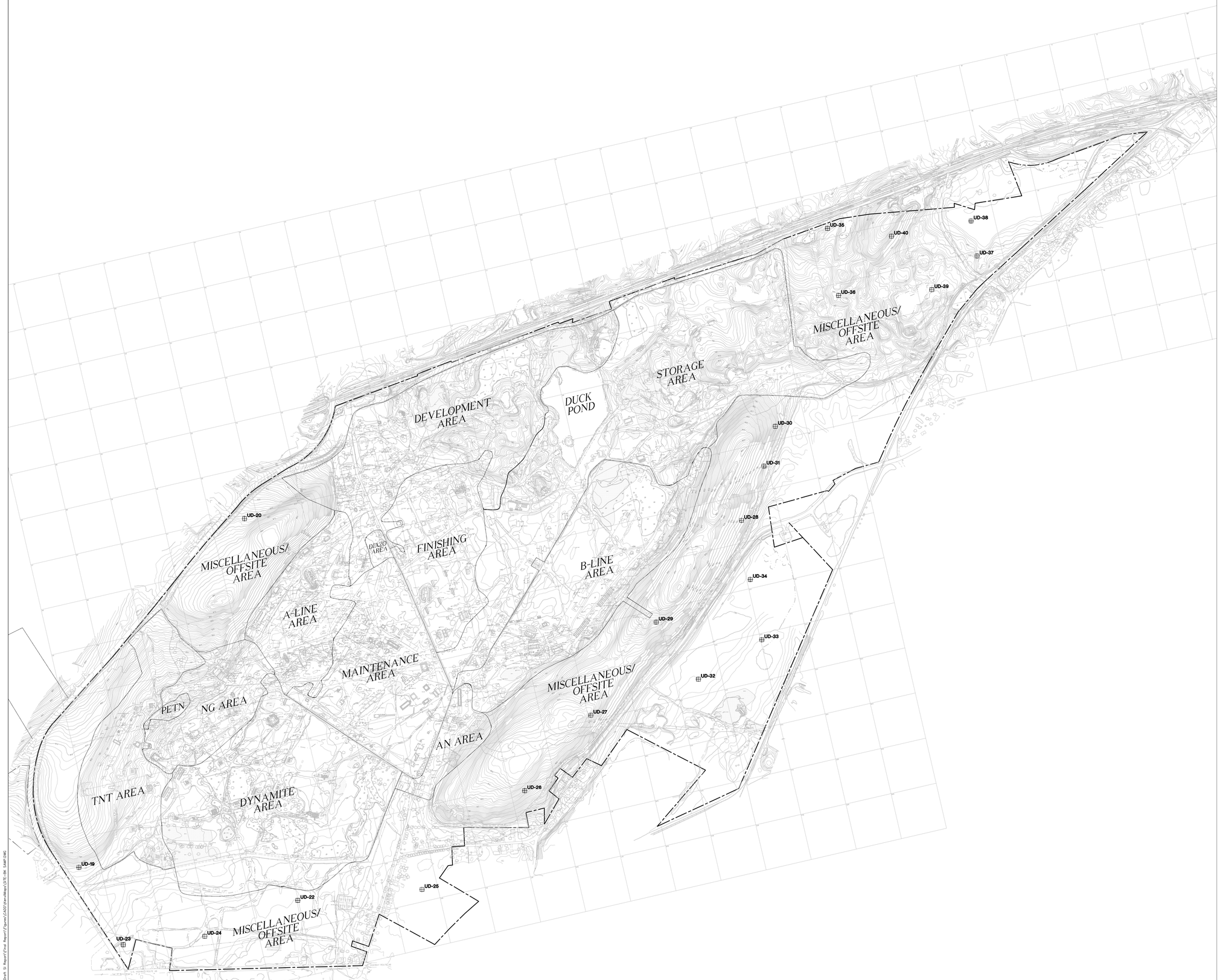
HERCULES INCORPORATED
KENVIL WORKS FACILITY

SITE MAP

MWH

A-1

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LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- 740 TOPOGRAPHIC CONTOUR – 10 FOOT INTERVAL
- TOPOGRAPHIC CONTOUR – 2 FOOT INTERVAL
- UD-38 BACKGROUND SAMPLE LOCATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" - REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 100 200 400

SCALE: FEET
1" = 400'

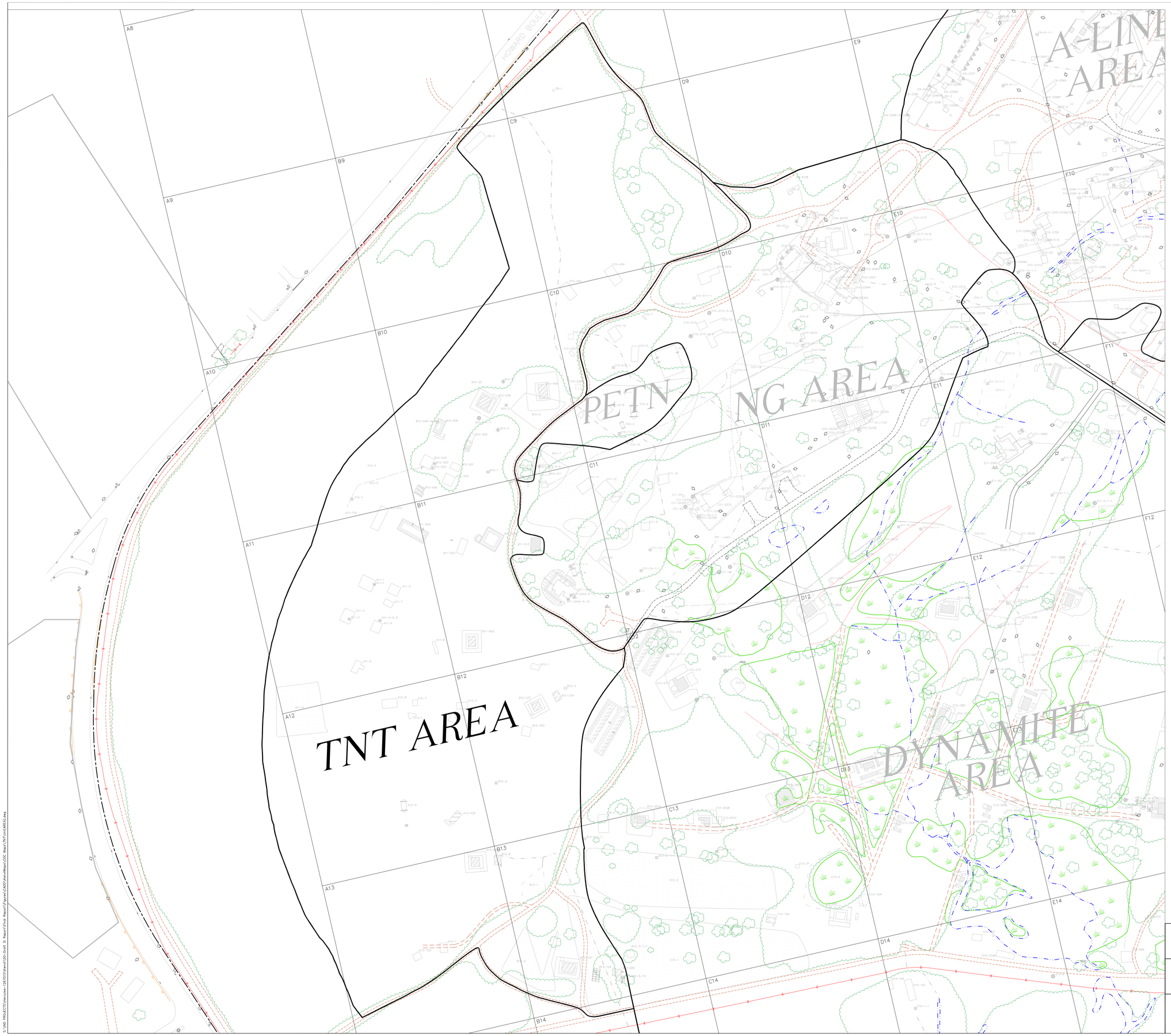
HERCULES INCORPORATED
KENVIL WORKS FACILITY

BACKGROUND SAMPLING POINT MAP

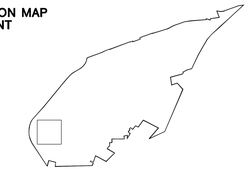
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A-2

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LOCATION MAP
TNT



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 25 50 100
SCALE: FEET
1"=100'

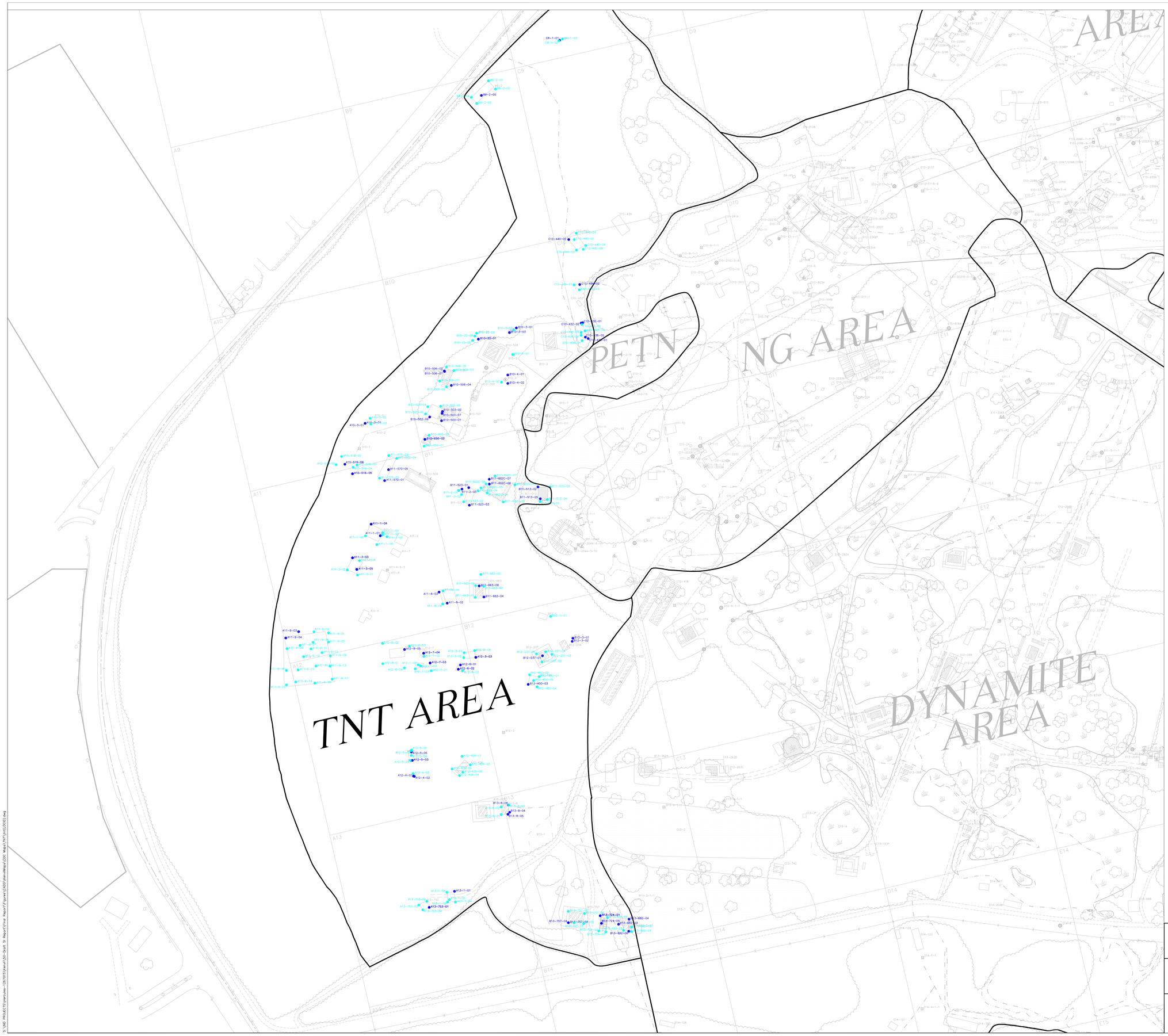
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

TNT AREA

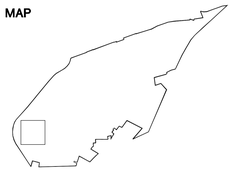
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LOCATION MAP
TNT



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS -- OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 — SCREENING SAMPLE LOCATION ID
- E9-2296-01 — ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1" = 100'

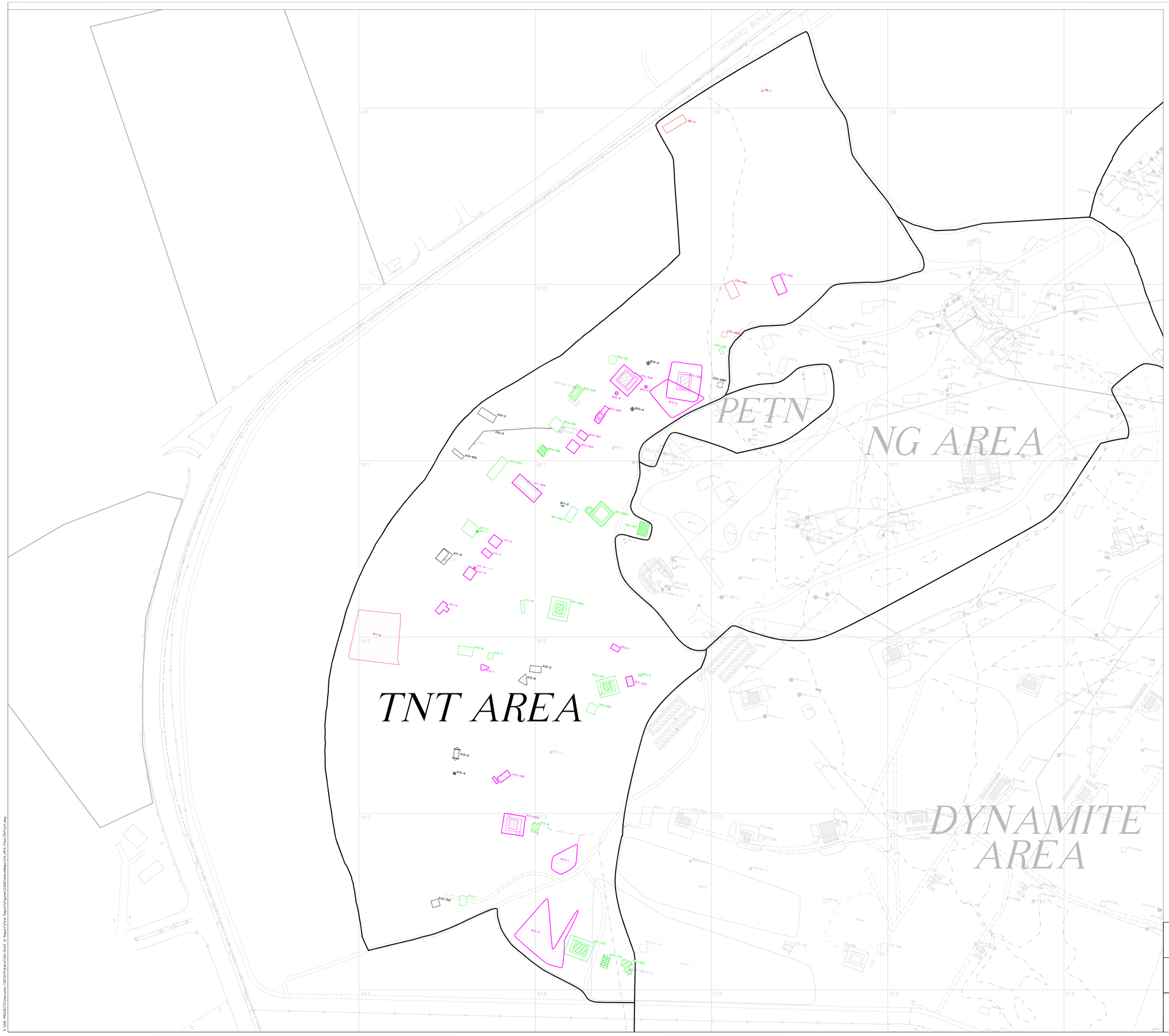
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

TNT AREA

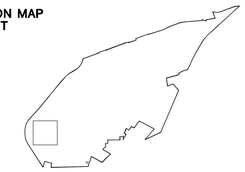
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LOCATION MAP
TNT



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

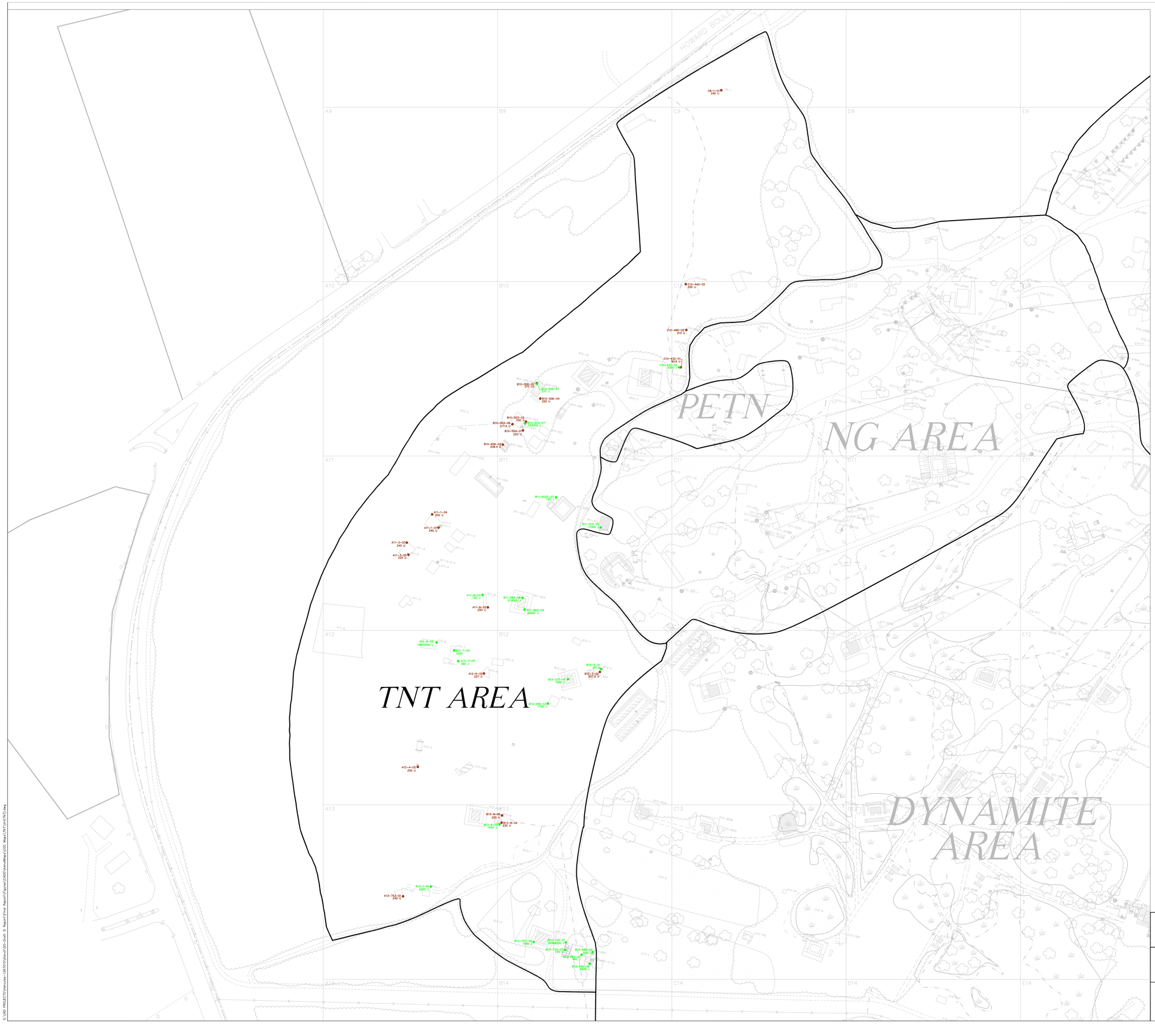
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

TNT AREA

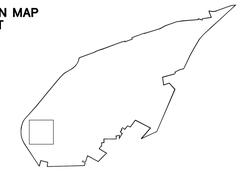
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LOCATION MAP
TNT



LEGEND:

- NT-8222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 19607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 25 50 100
SCALE: FEET
1" = 100'

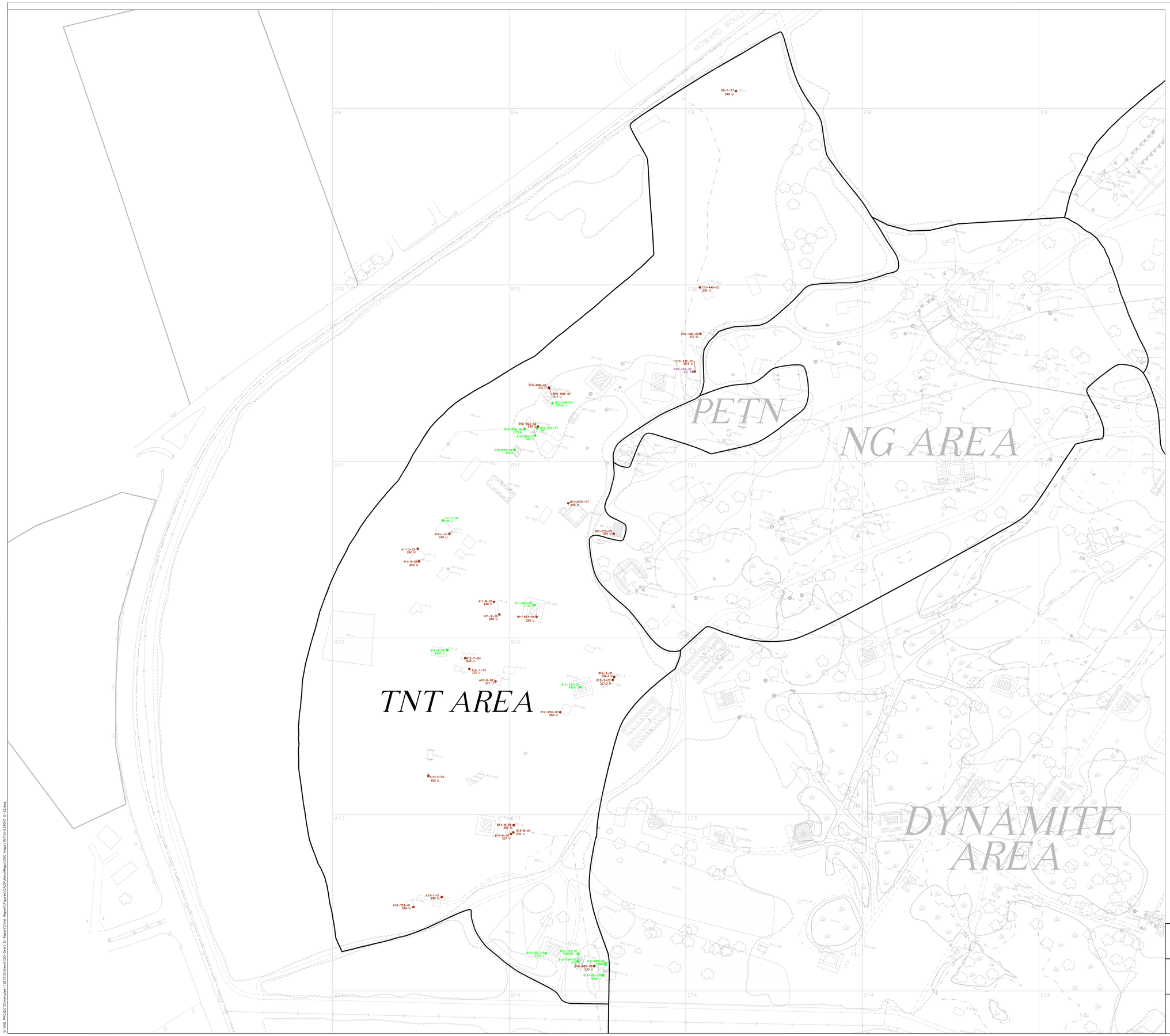
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

TNT AREA
2,4,6 - TRINITROTOLUENE (ug/kg)

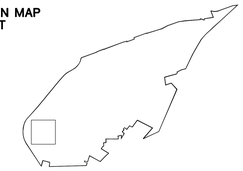
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LOCATION MAP
TNT



LEGEND:

- N1-9022-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA
- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

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north

0 25 50 100
SCALE: FEET
1"=100'

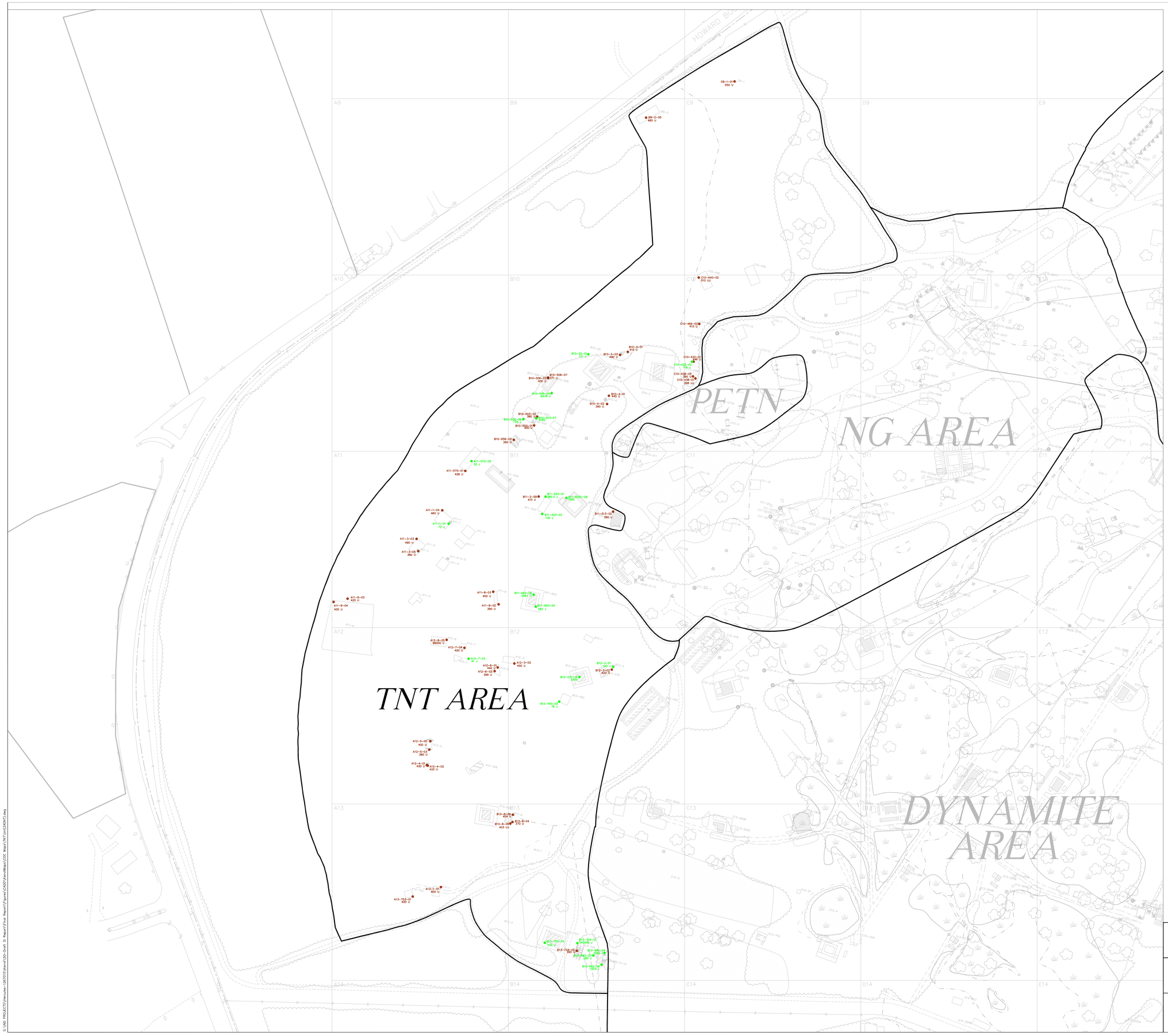
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

TNT AREA
2,4/2,6 - DINITROTOLUENE (ug/kg) E&E

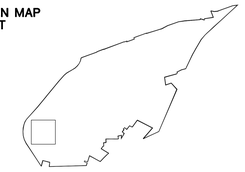
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LOCATION MAP
TNT



LEGEND:

- FEATURE IDENTIFIER (N7-9222-7-7)
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
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- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 25 50 100

SCALE: FEET (1"=100')

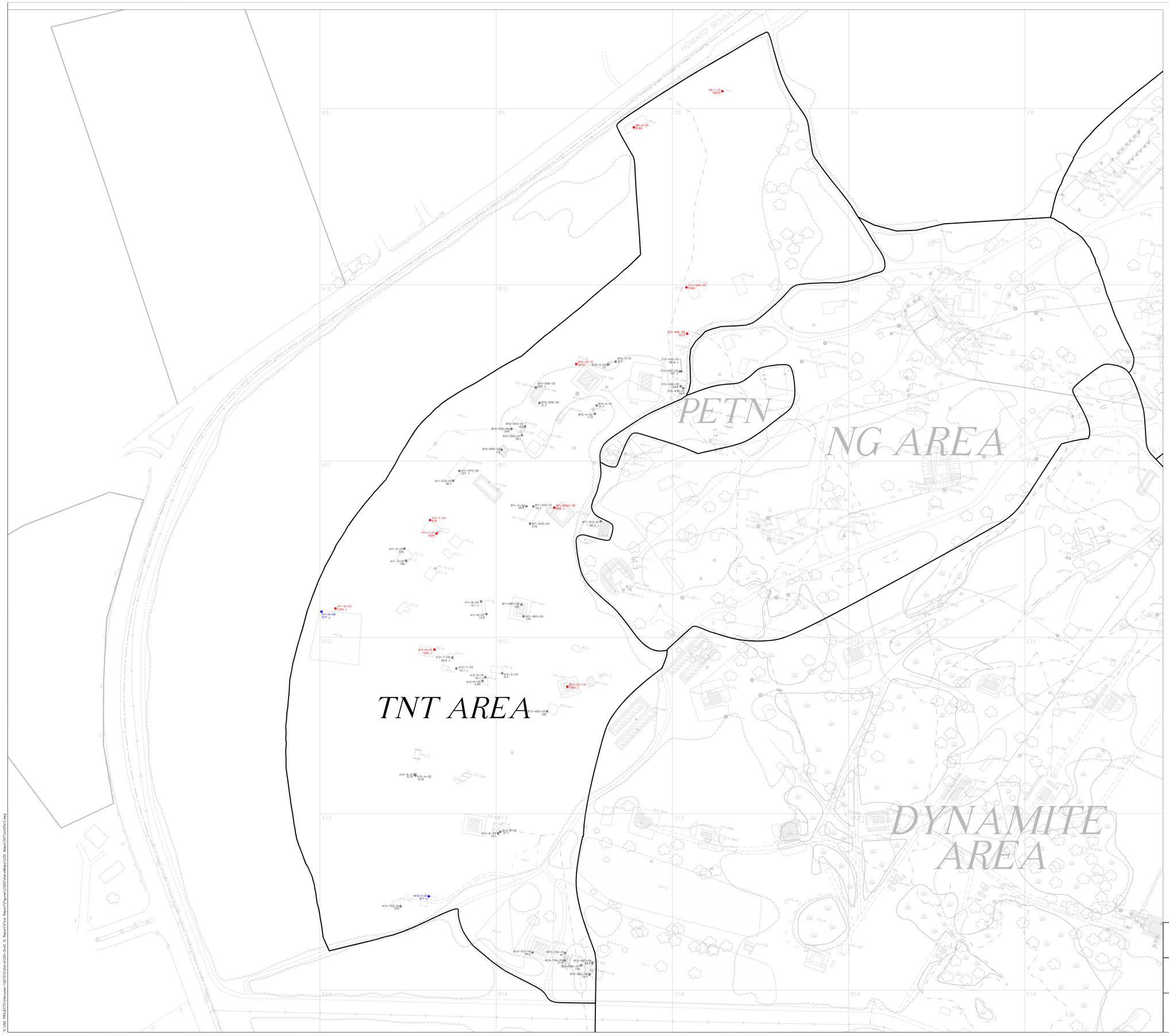
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

TNT AREA
2,4/2,6 - DINITROTOLUENE SVOC (ug/kg)

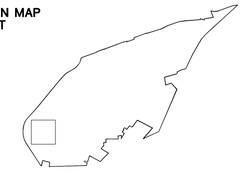
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LOCATION MAP
TNT



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 25 50 100
SCALE: FEET
1"=100'

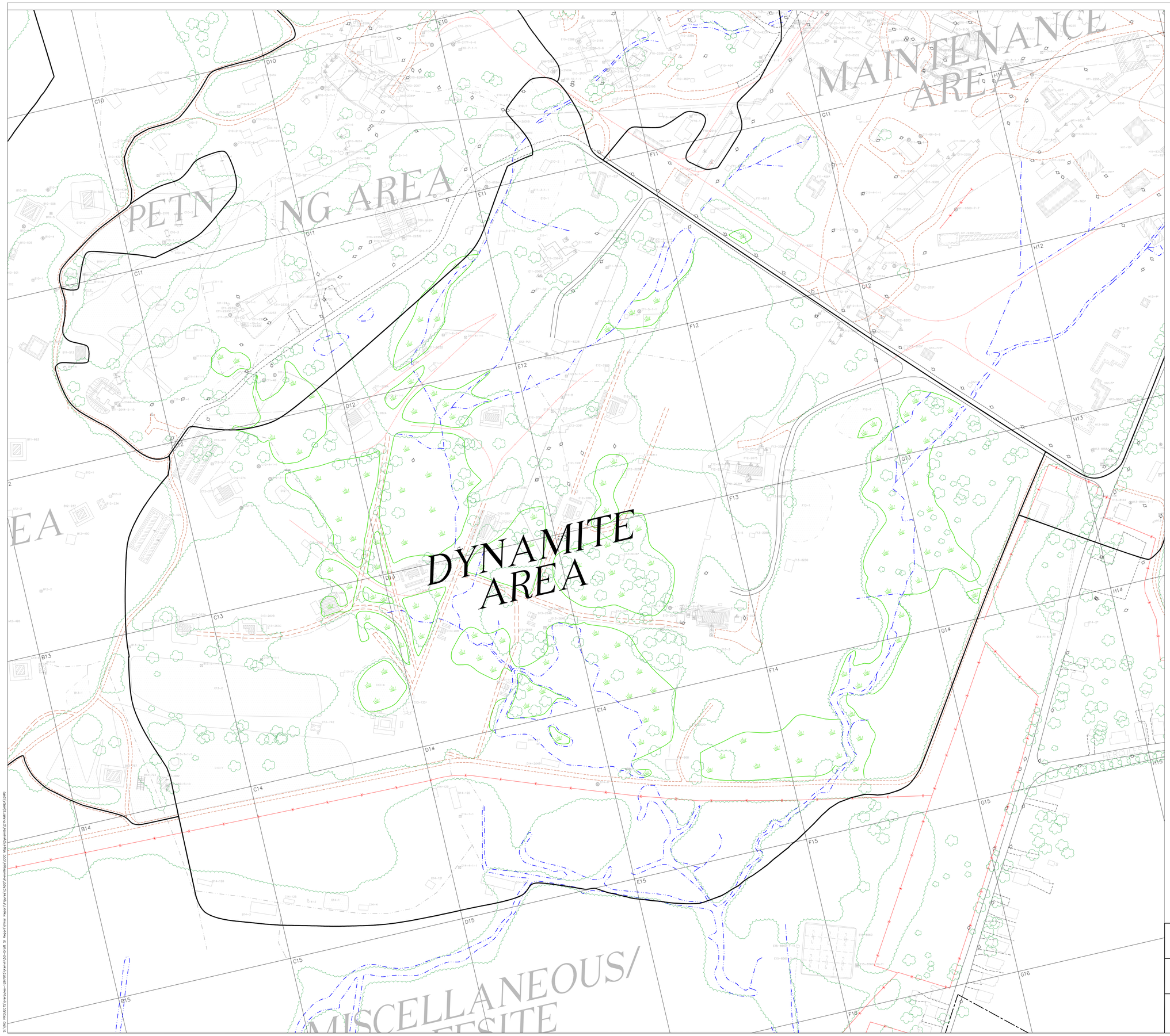
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

TNT AREA
LEAD (mg/kg)

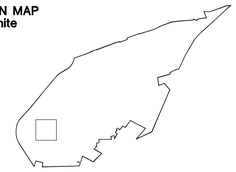
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LOCATION MAP
Dynamite



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

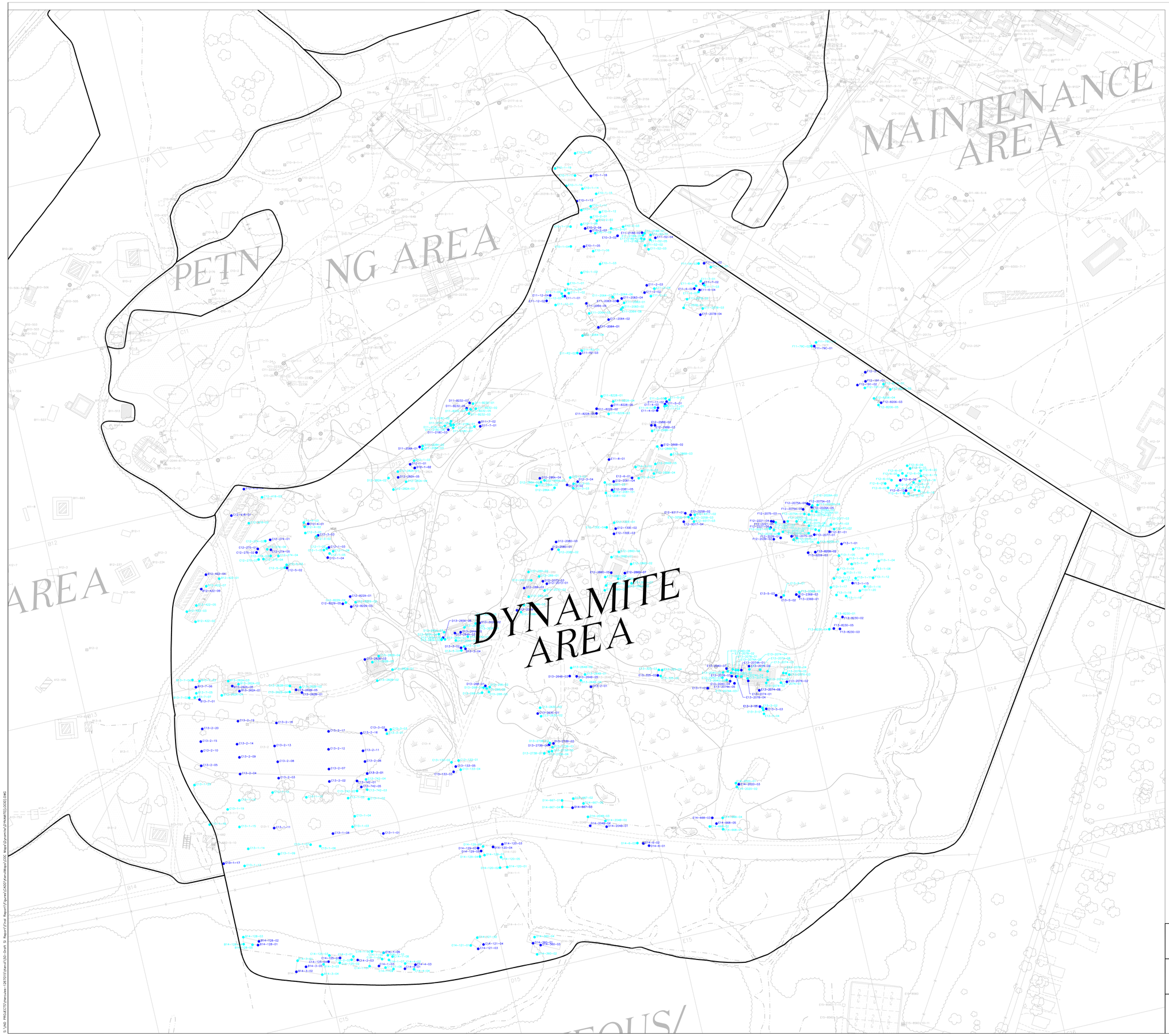
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

DYNAMITE AREA

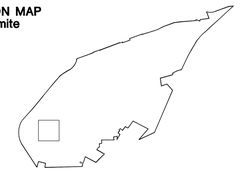
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LOCATION MAP
Dynamite



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

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north

0 25 50 100
SCALE: FEET
1"=100'

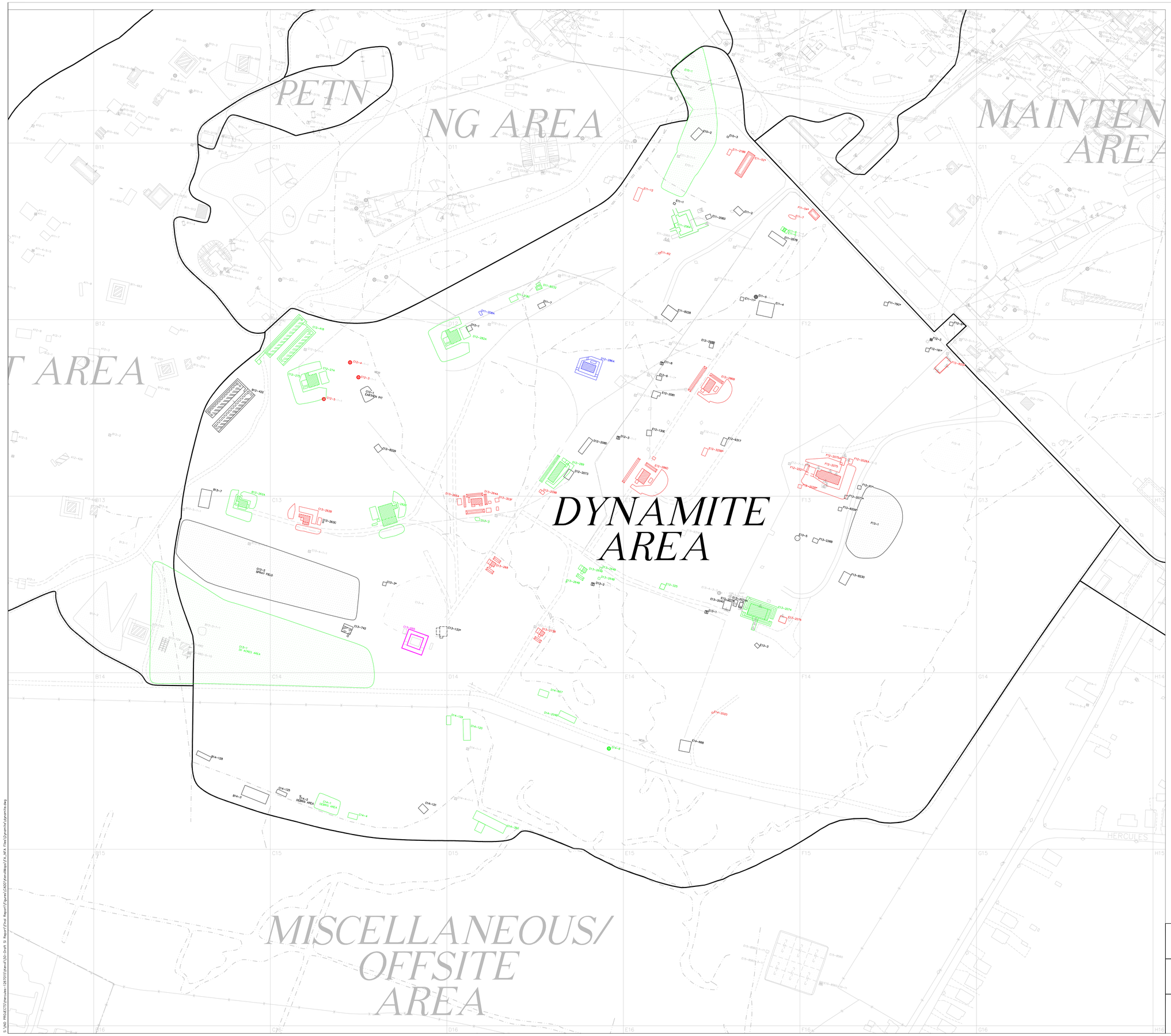
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

DYNAMITE AREA

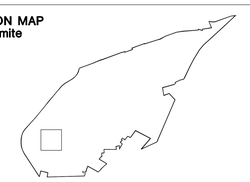
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LOCATION MAP
Dynamite



LEGEND:

- N7-9222-7-1 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
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- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
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- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
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- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

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north

0 25 50 100
SCALE: FEET
1"=100'

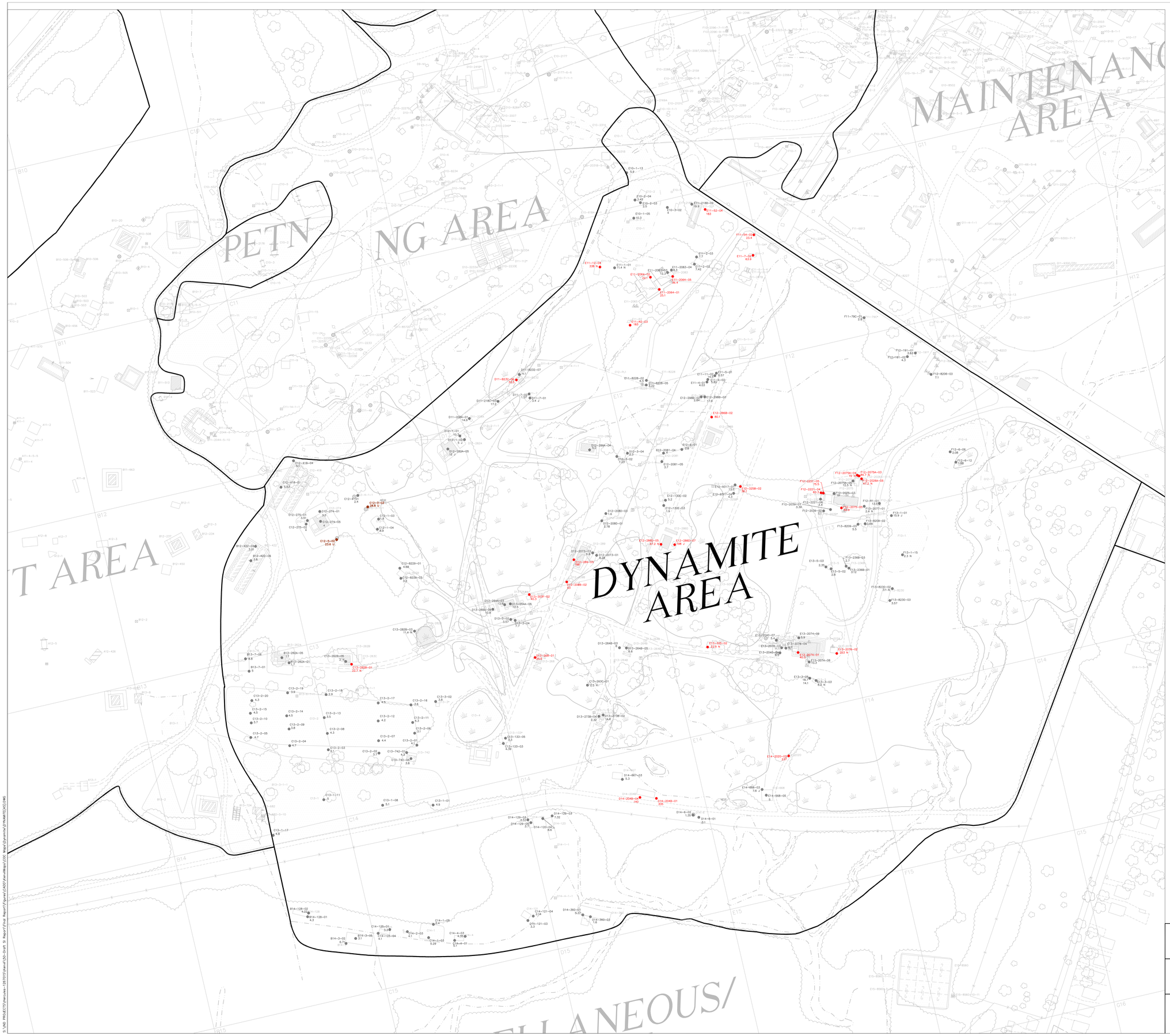
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

DYNAMITE AREA

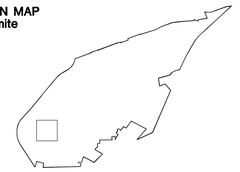
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LOCATION MAP
Dynamite



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
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- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
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- ASBESTOS CONTAINING MATERIAL PIPELINE
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- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
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- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.
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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.
4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.
5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north
0 25 50 100
SCALE, FEET
1"=100'

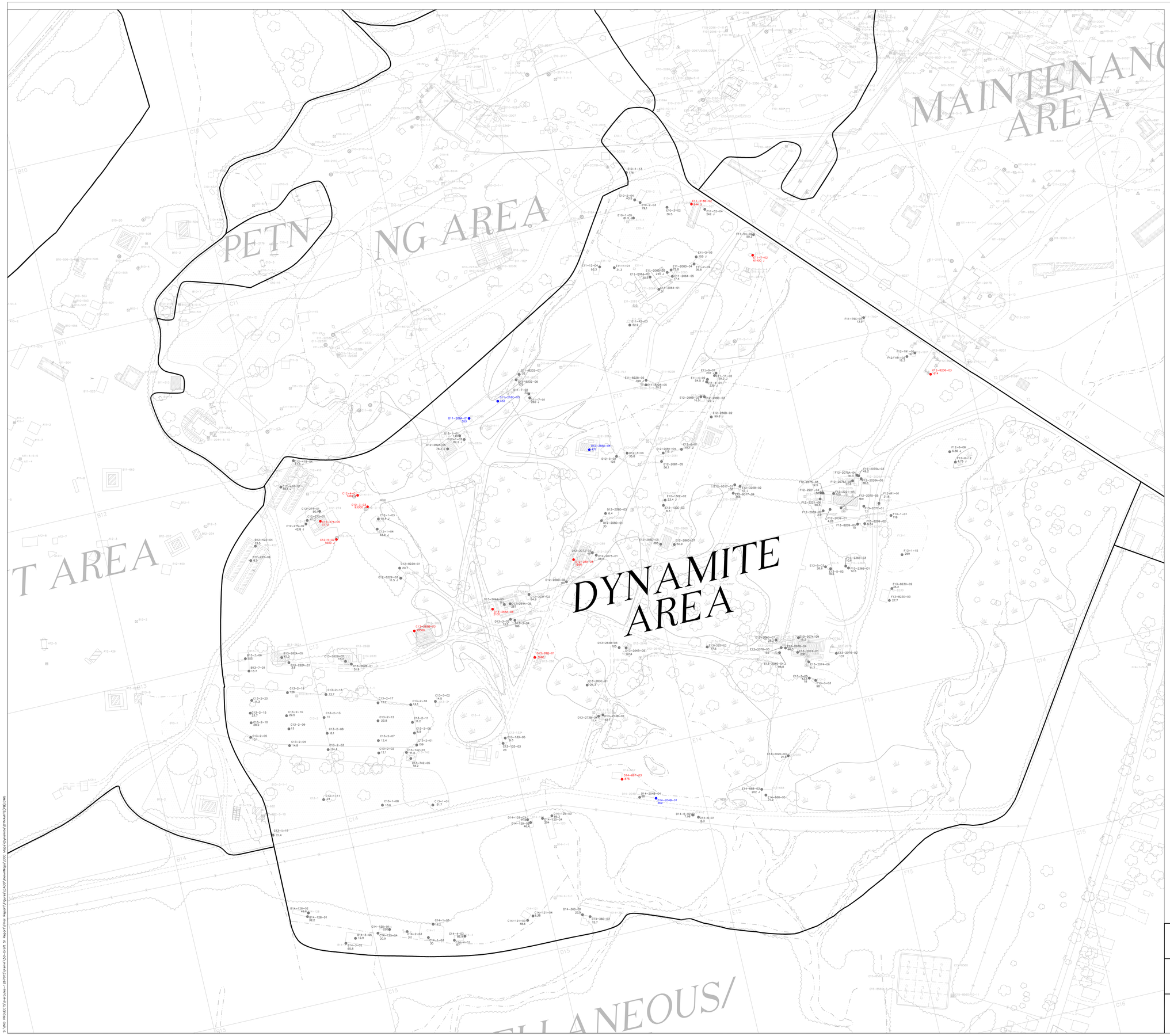
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DYNAMITE AREA
ARSENIC (mg/kg)

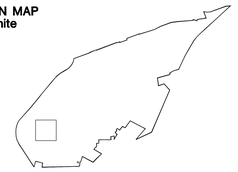
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LOCATION MAP
Dynamite



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north
0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DYNAMITE AREA
LEAD (mg/kg)

MWH

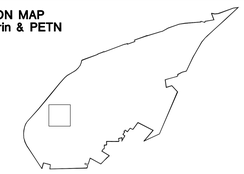
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PETN

NG AREA

LOCATION MAP
Nitroglycerin & PETN



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 15 30 60
SCALE: FEET
1"=60'

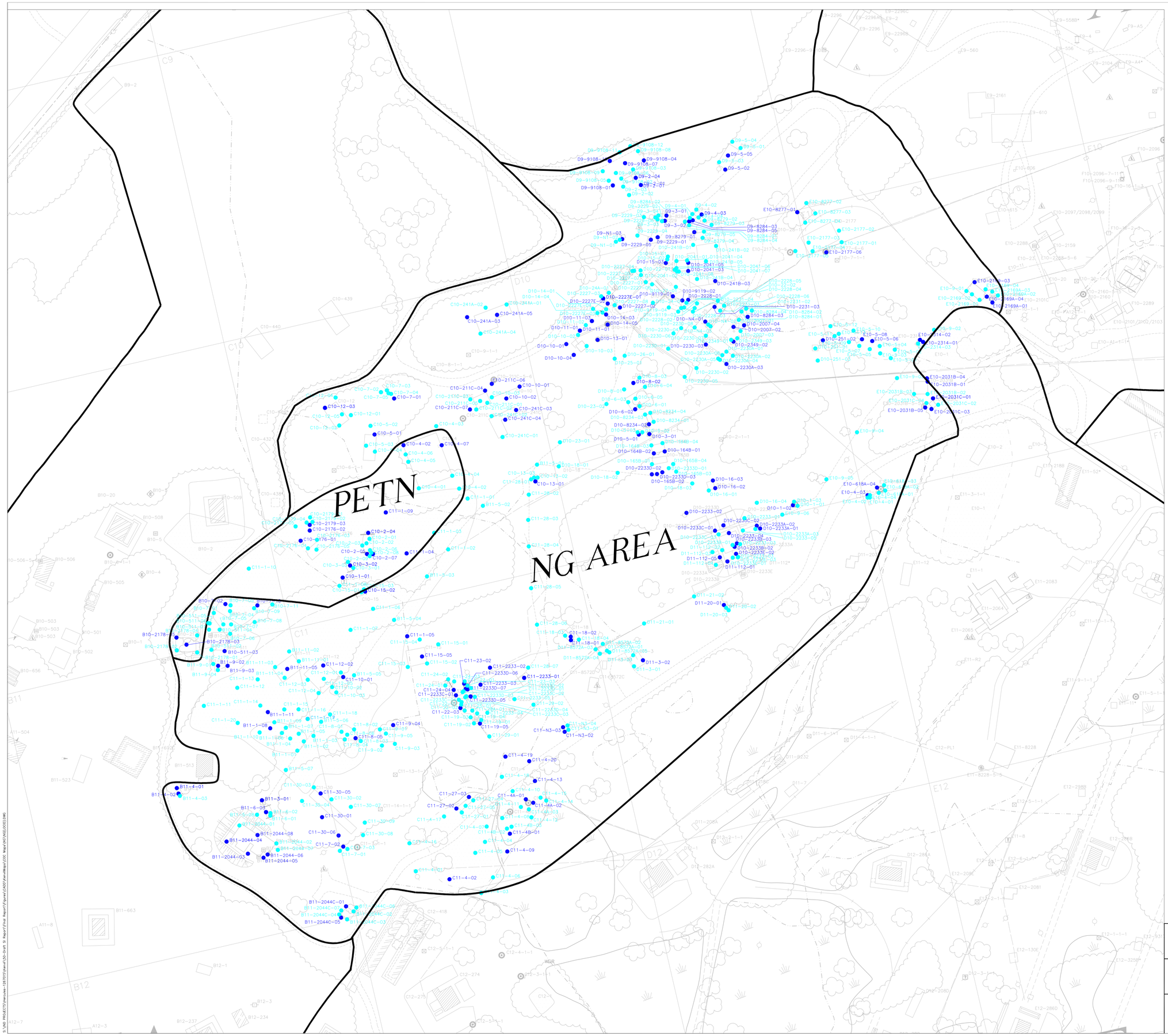
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

NITROGLYCERIN AND PETN AREA

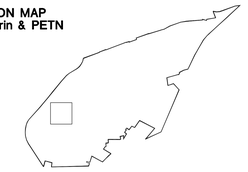
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LOCATION MAP
Nitroglycerin & PETN



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
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- LOADING AREA
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

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north

0 15 30 60
SCALE FEET
1"=60'

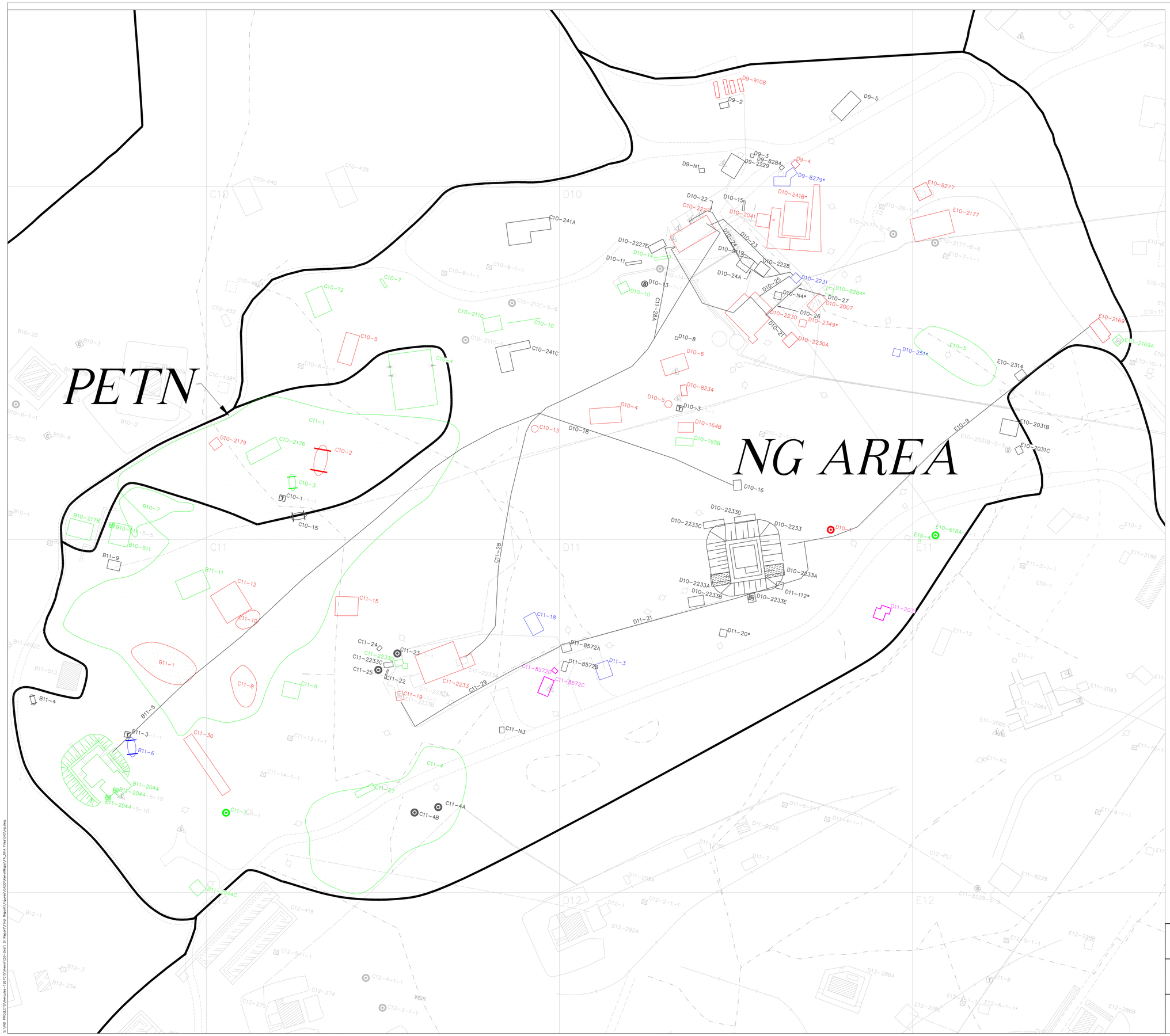
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

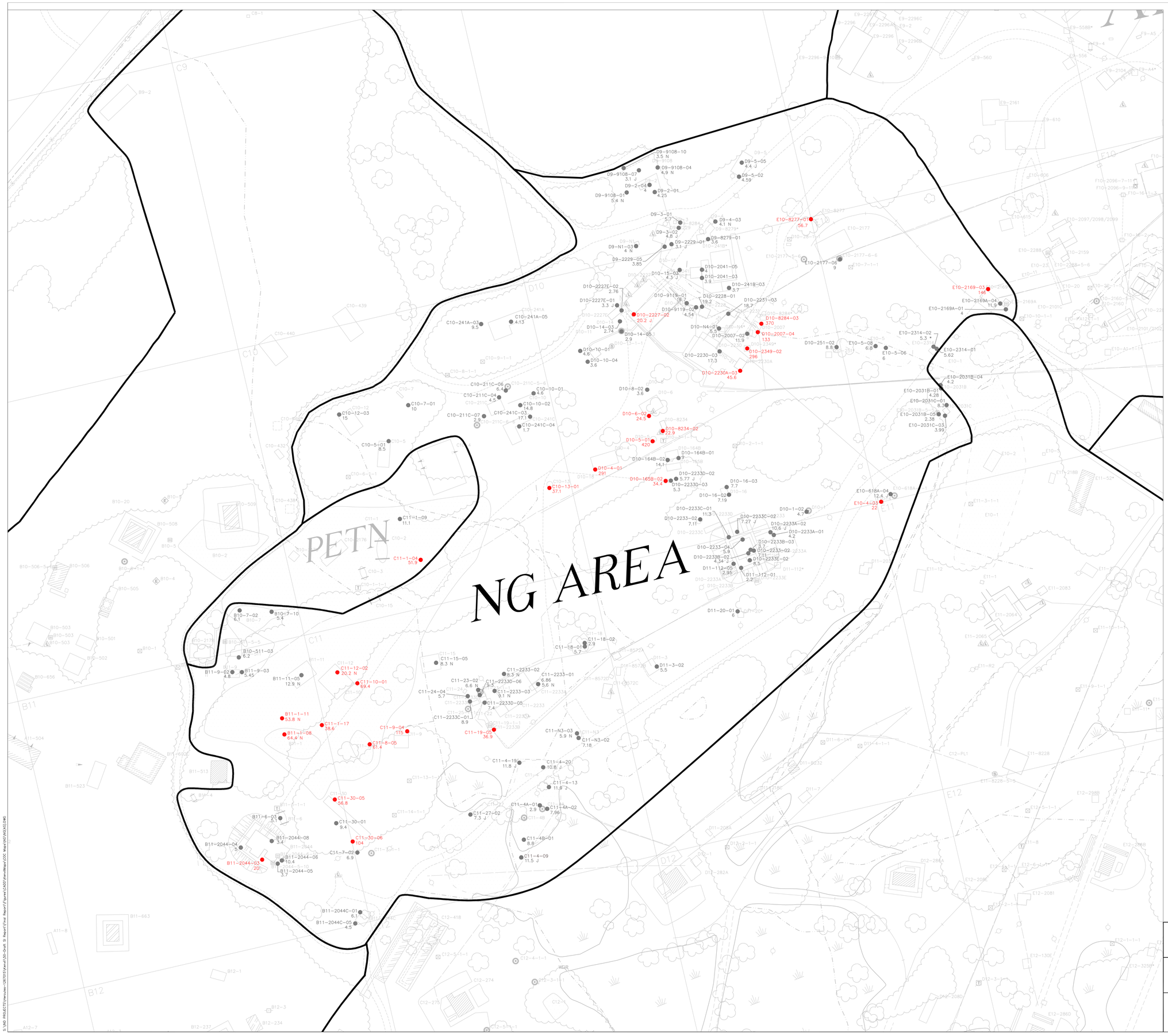
NITROGLYCERIN AND PETN AREA

MWH

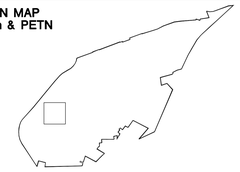
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PETN
NG AREA
D9-9108
D9-2
D9-5
D9-3
D9-8284
D9-2229
D9-4
D9-8279*
D9-N1
D10-241B*
D10-22
D10-15
D10-2227
D10-2041
E10-8277
E10-2177
C10-241A
D10-2227E
D10-14
D10-11
D10-24
D10-23
D10-2419
D10-2228
D10-24A
D10-13
D10-10
D10-25
D10-2231
D10-8284*
D10-N4*
D10-27
D10-2007
D10-26
D10-2230
D10-2349*
D10-21
D10-2230A
C11-28A
D10-8
D10-6
D10-251*
E10-5
E10-2169
E10-2169A
E10-2314
C10-211C
C10-10
C10-211C-5-6
C10-241C
C10-5
C10-4
C10-7
C10-12
D10-8234
D10-5
D10-3
D10-4
D10-164B
D10-165B
C10-13
D10-18
D10-16
E10-2031B
E10-2031C
E10-3
C10-2179
C10-2176
C10-2
C10-3
C10-1
C10-15
C11-1
B10-7
B10-2178
B10-511
B11-9
B11-11
C11-12
C11-10
C11-15
D10-2233D
D10-2233C
D10-2233
D10-1
E10-6184
D10-2233A
D10-2233B
D10-2233E
D11-112*
D10-2233A
C11-18
D11-21
D11-20*
D11-20A
C11-24
C11-2233B
C11-23
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C11-25
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B11-4
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C12-275
C12-4-1-1
C12-3-1-1
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B12-3
B12-234
D11-8232
D11-7
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E11-8228
E11-8228-5-5
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E12-208E
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E10-45
E10-46
E10-47
E10-48
E10-49
E10-50



LOCATION MAP
Nitroglycerin & PETN



LEGEND:

- NT-9228-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
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- PROCESS PIPELINE
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- CONTAINMENT BASIN
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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.
4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.
3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.
4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.
5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north
0 15 30 60
SCALE: FEET
1"=60'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

NITROGLYCERIN AREA
ARSENIC (mg/kg)

MWH

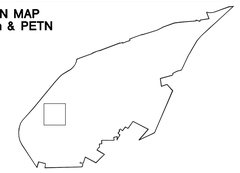
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PETN

NG AREA

LOCATION MAP
Nitroglycerin & PETN



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

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north

0 15 30 60

SCALE: FEET
1"=60'

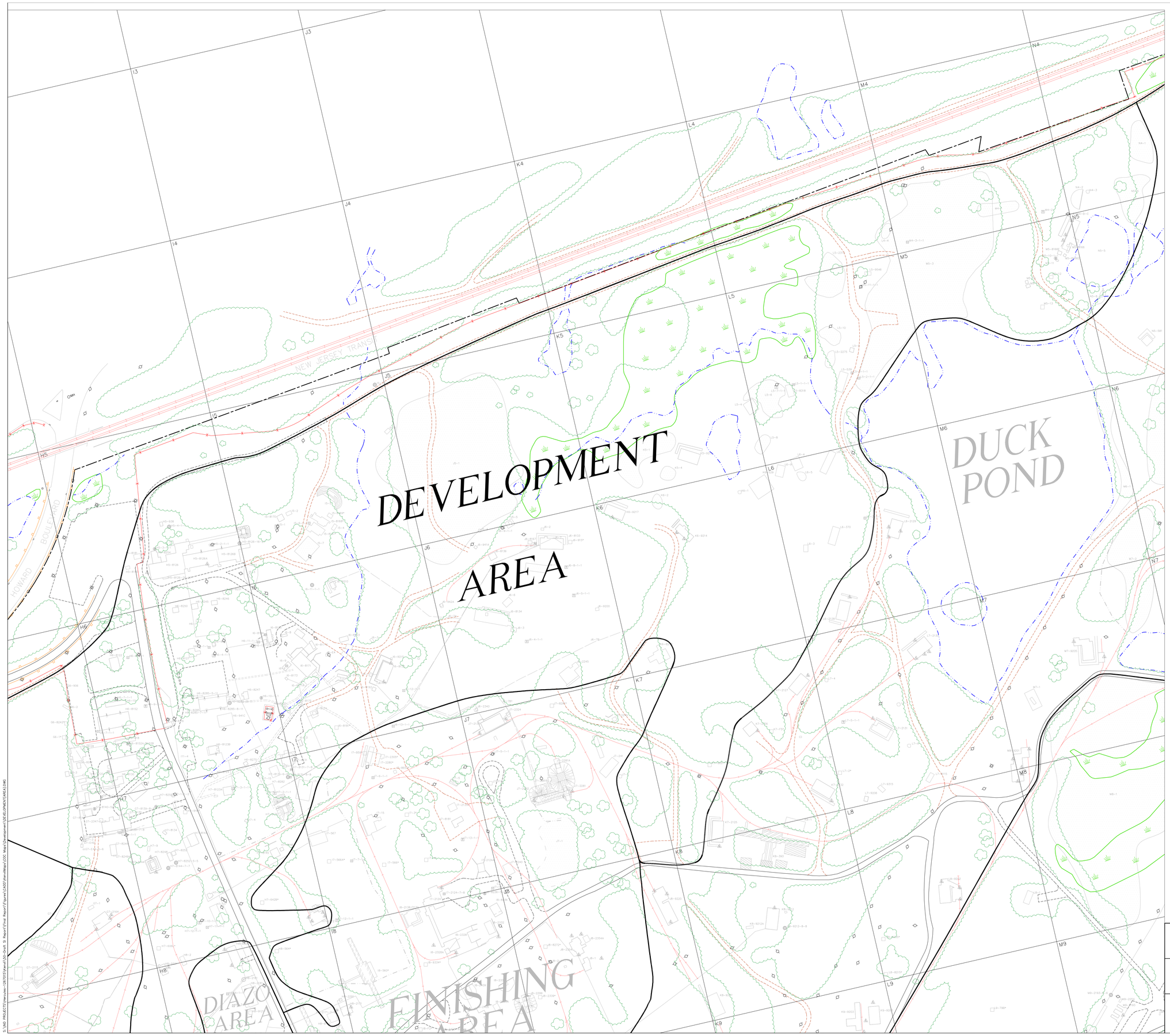
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

NITROGLYCERIN AND PETN AREA
LEAD (mg/kg)

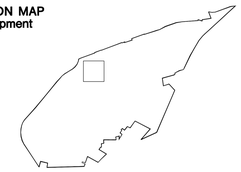
MWH

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LOCATION MAP
Development



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 5/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 25 50 100
SCALE - FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

DEVELOPMENT AREA

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A-20

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DEVELOPMENT AREA

DUCK POND

DIAZO AREA

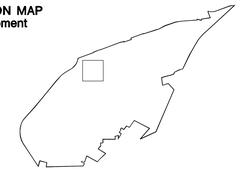
FINISHING AREA

B-LINE AREA

NEW JERSEY TRANSIT

BOULEVARD

LOCATION MAP
Development



LEGEND:

- NT-9222-T1-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
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- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 — SCREENING SAMPLE LOCATION ID
- E9-2296-01 — ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 25 50 100

SCALE, FEET
1"=100'

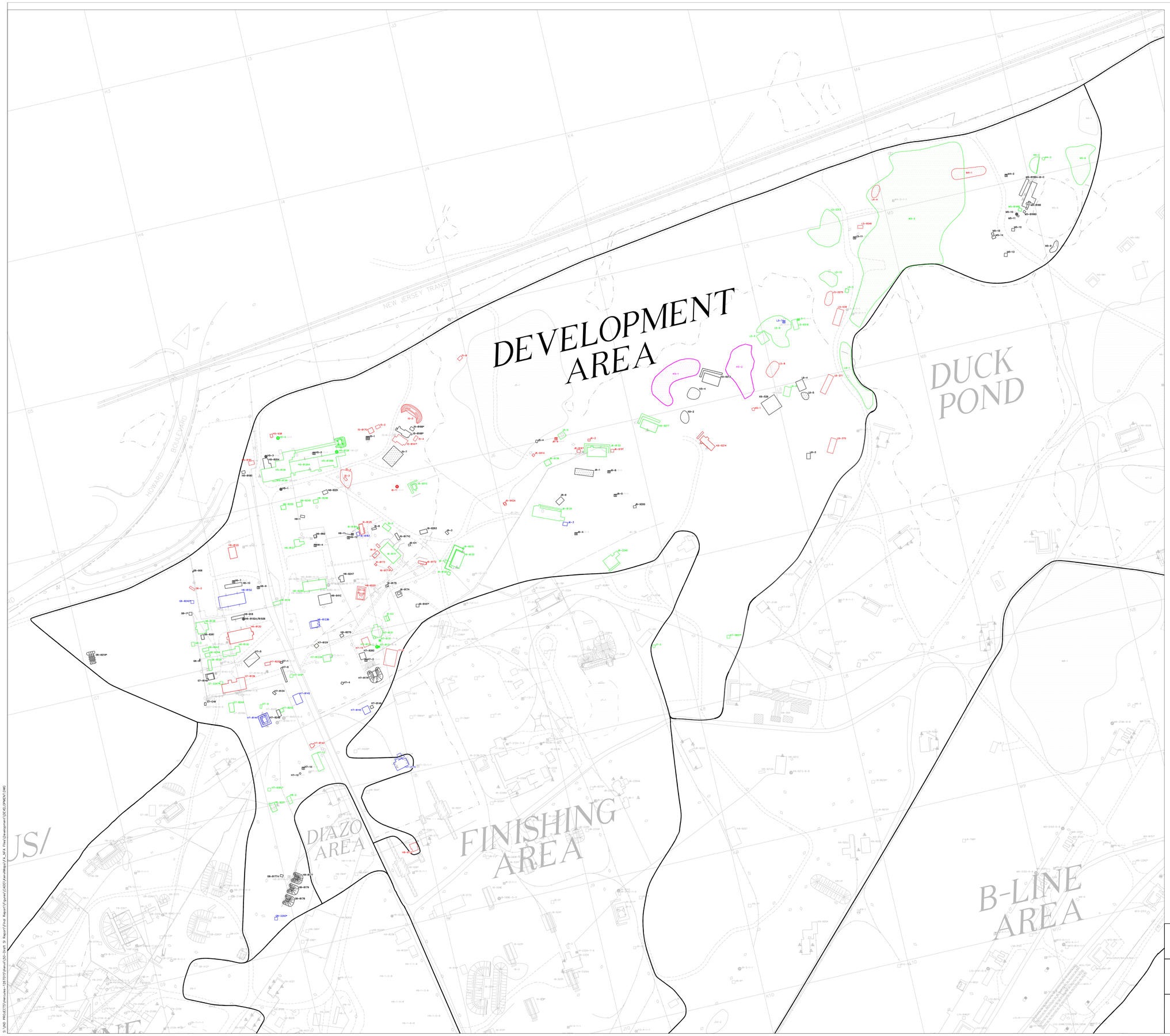
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

DEVELOPMENT AREA

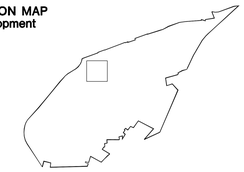
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
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- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

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north

0 30 60 120
SCALE: FEET
1"=120'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

DEVELOPMENT AREA

MWH

A-22

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DEVELOPMENT AREA

DUCK POND

DIAZO AREA

FINISHING AREA

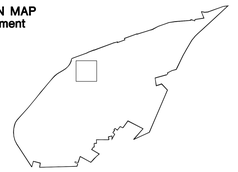
B-LINE AREA

A-LINE

HOWARD BOULEVARD

NEW JERSEY TRANSIT

LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
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- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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north

0 30 60 120

SCALE: FEET
1"=120'

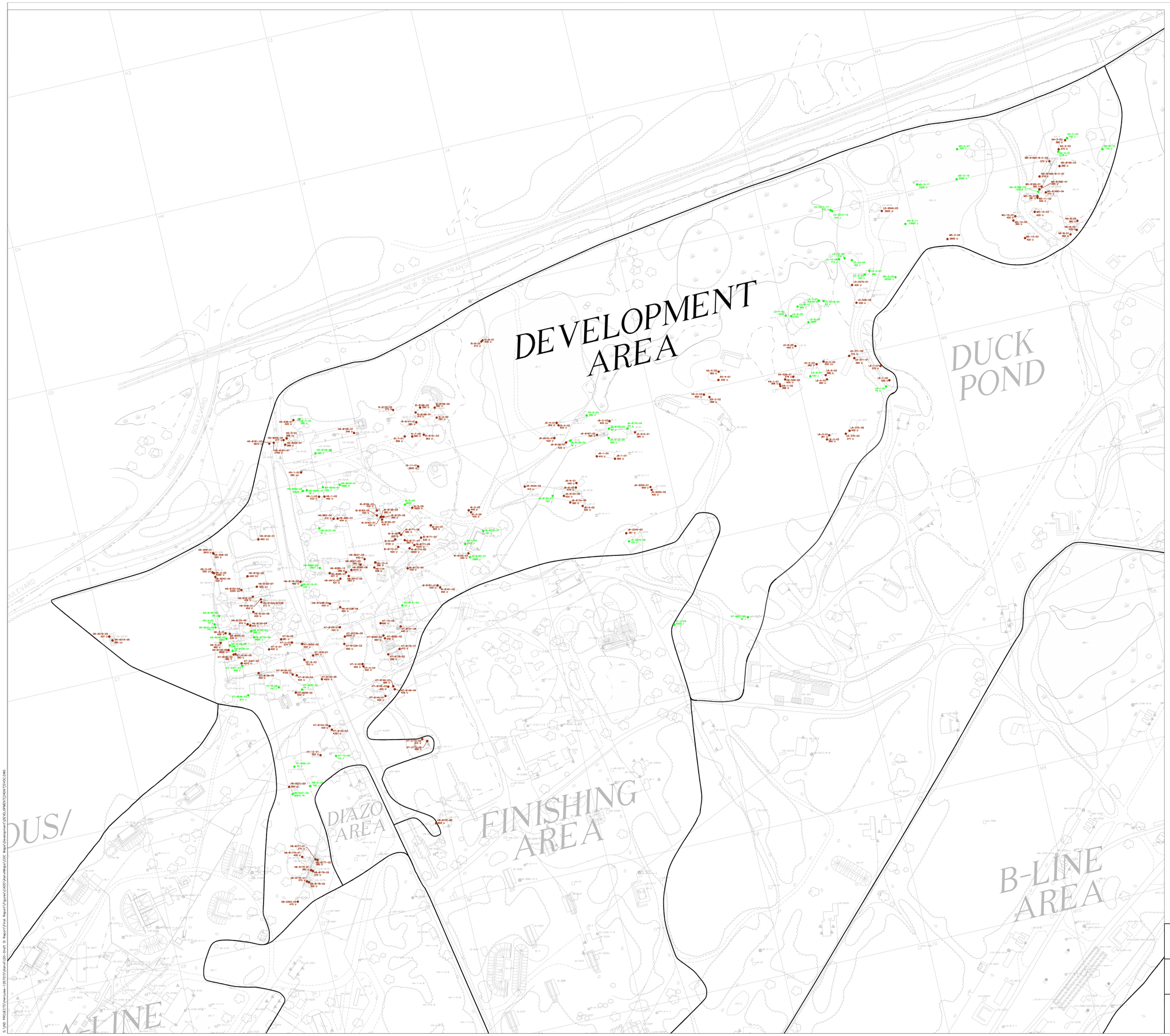
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
2,4/2,6 - DINITROTOLUENE E&E (ug/kg)

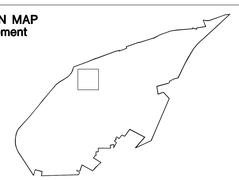
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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north
0 30 60 120
SCALE: FEET
1"=120'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
2,4/2,6 - DINITROTOLUENE SVOC (ug/kg)

MWH

A-24

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DEVELOPMENT AREA

DUCK POND

DIAZO AREA

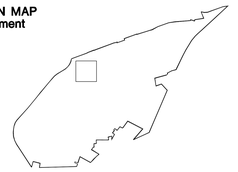
FINISHING AREA

B-LINE AREA

NEW JERSEY TRANSIT

HOWARD BOULEVARD

LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
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north

0 30 60 120

SCALE: FEET
1"=120'

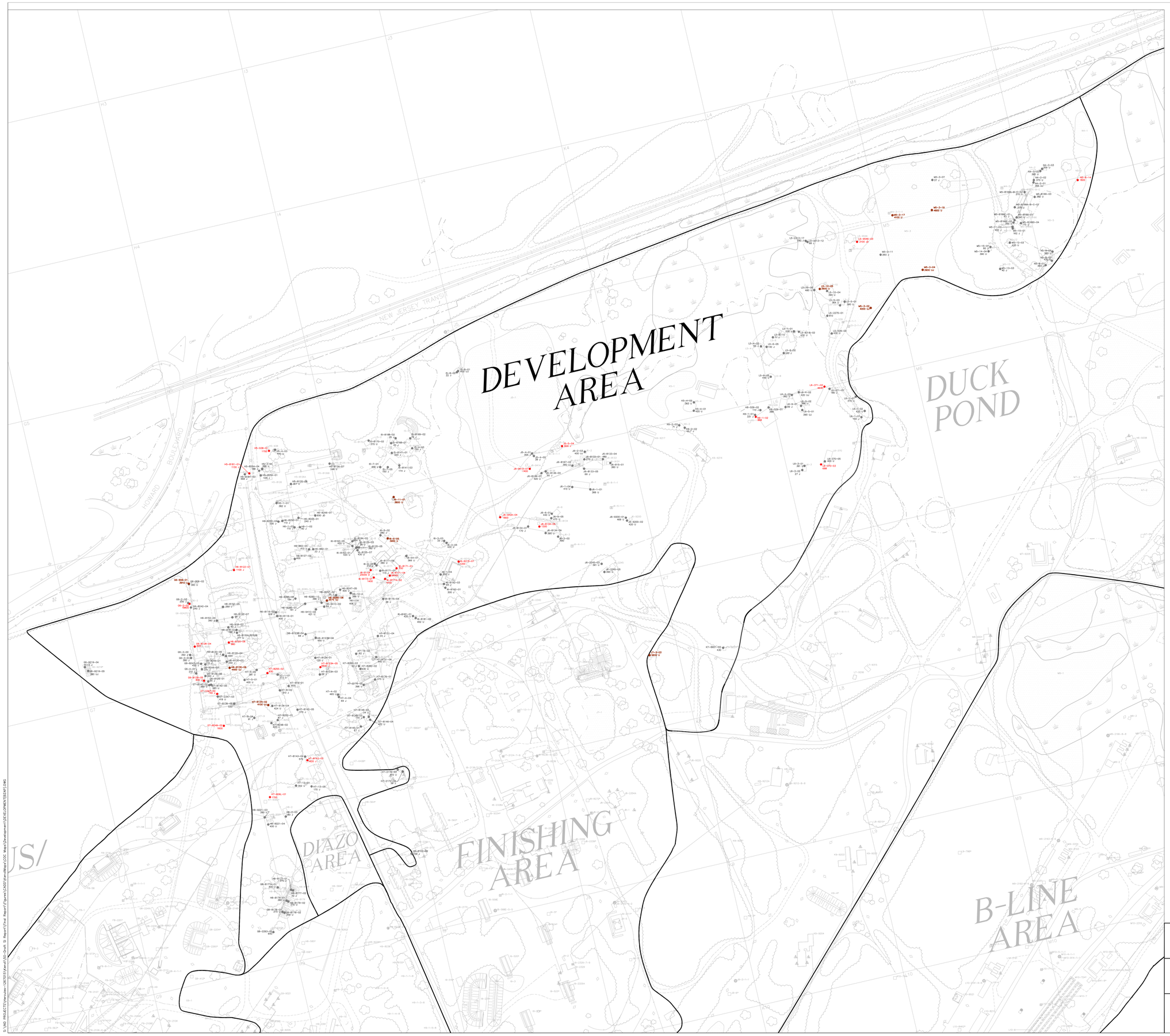
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
BENZO(A) ANTHRACENE (ug/kg)

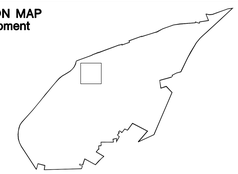
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LOCATION MAP
Development



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- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
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north
0 30 60 120
SCALE: FEET
1"=120'

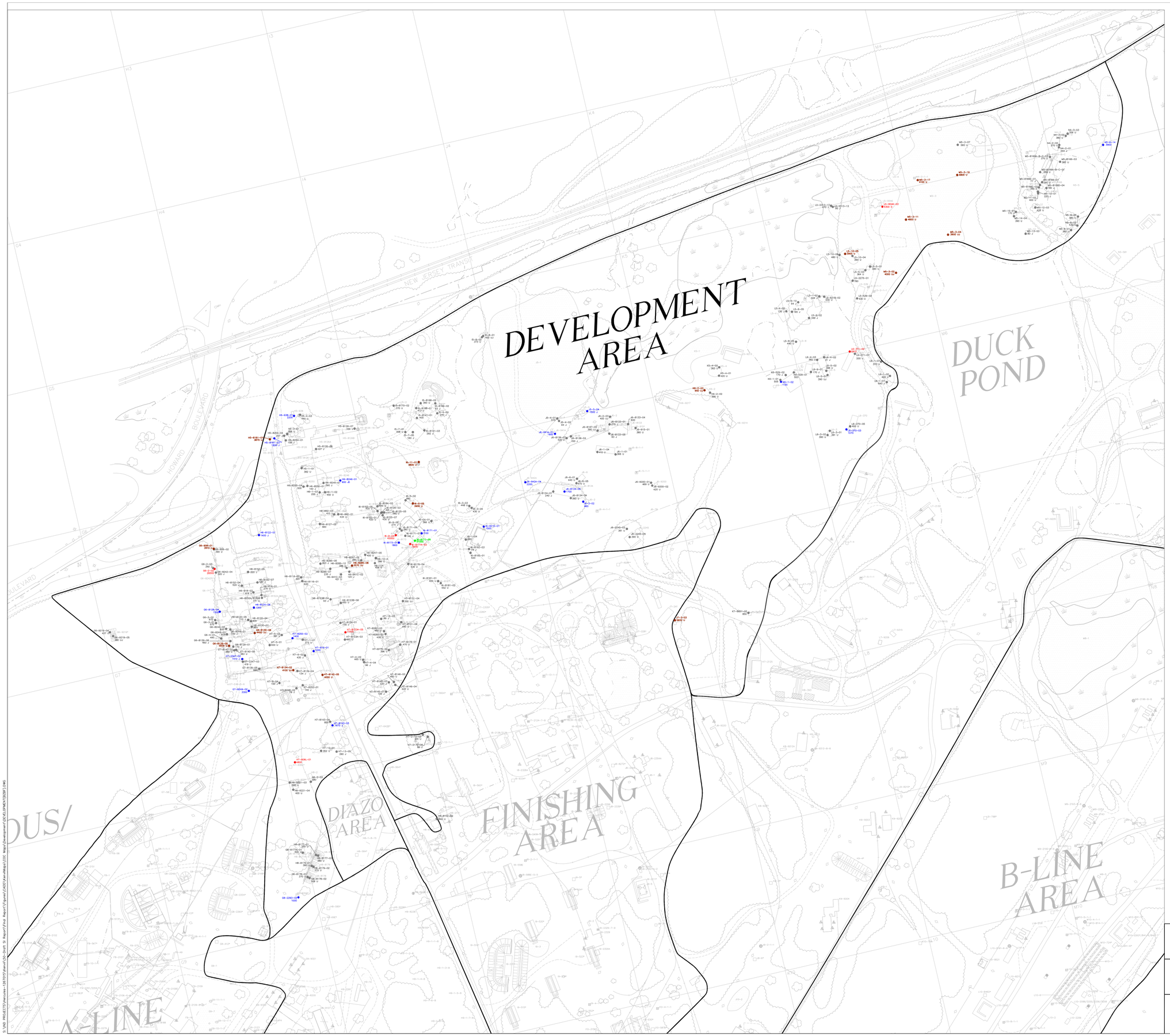
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
BENZO(A) PYRENE (ug/kg)

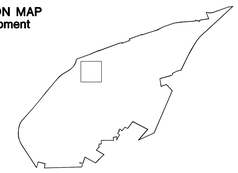
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
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north

0 30 60 120

SCALE: FEET
1"=120'

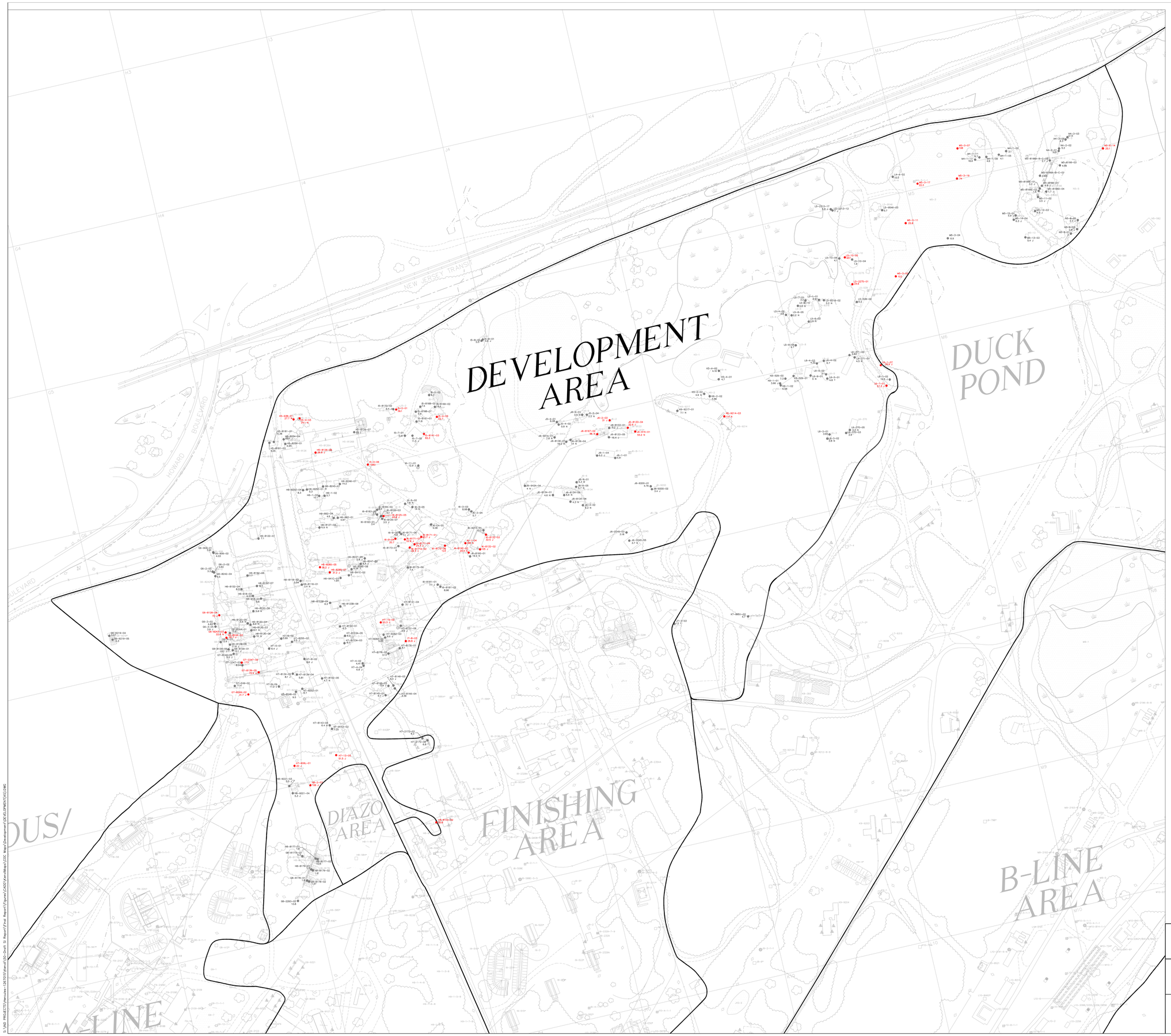
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
BENZO(B) FLUORANTHENE (ug/kg)

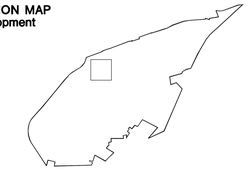
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
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- UTILITY POLE
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- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 30 60 120
SCALE: FEET
1"=120'

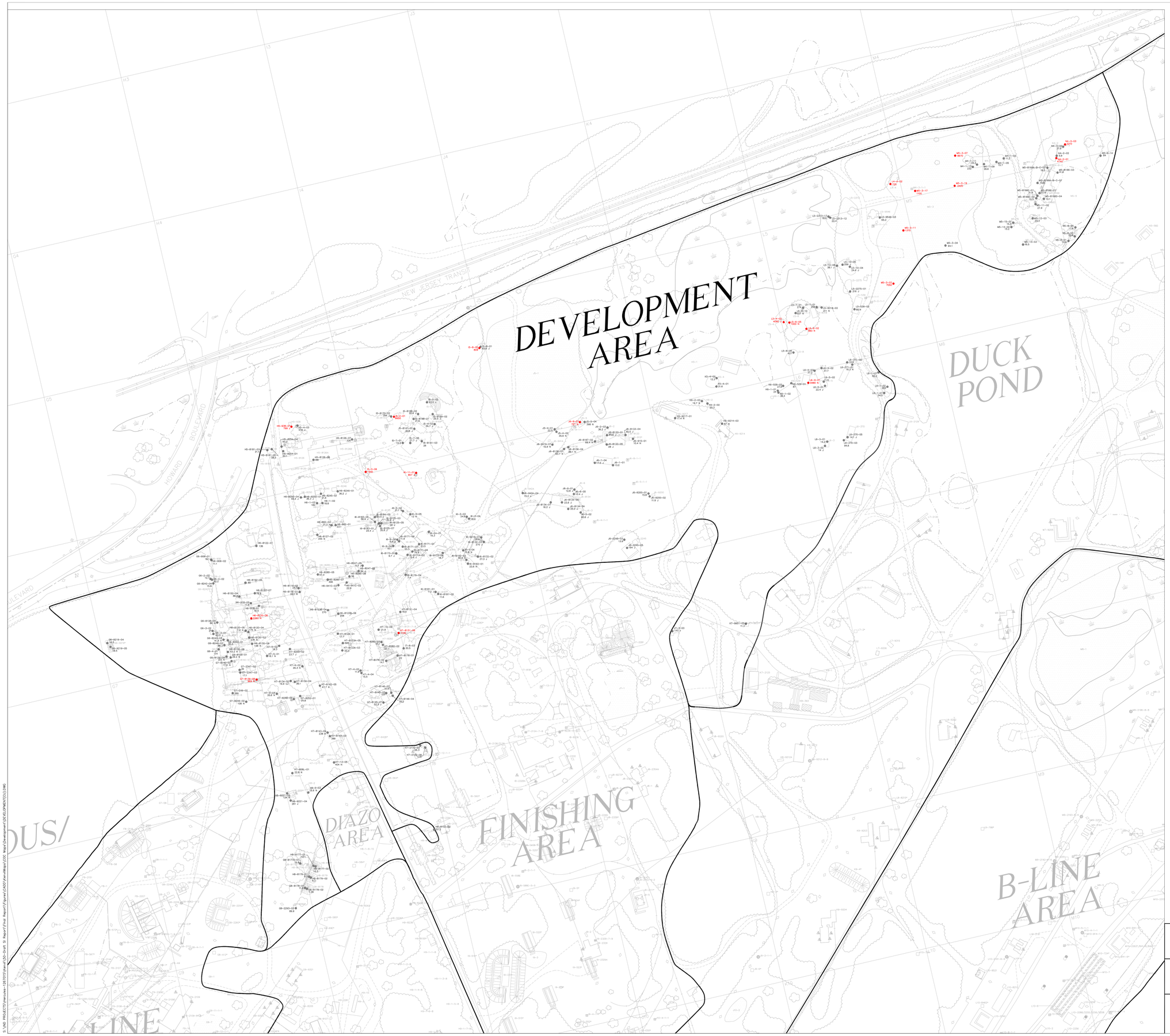
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
ARSENIC (mg/kg)

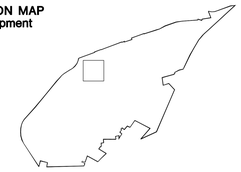
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
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- DISCHARGE POINT
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- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
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north

0 30 60 120

SCALE: FEET
1"=120'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
COPPER (mg/kg)

MWH

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DEVELOPMENT AREA

DUCK POND

DIAZO AREA

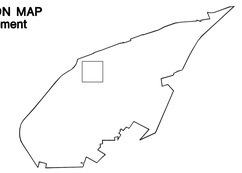
FINISHING AREA

B-LINE AREA

HOWARD BOULEVARD

NEW JERSEY TRANSIT

LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
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north

0 30 60 120

SCALE: FEET
1"=120'

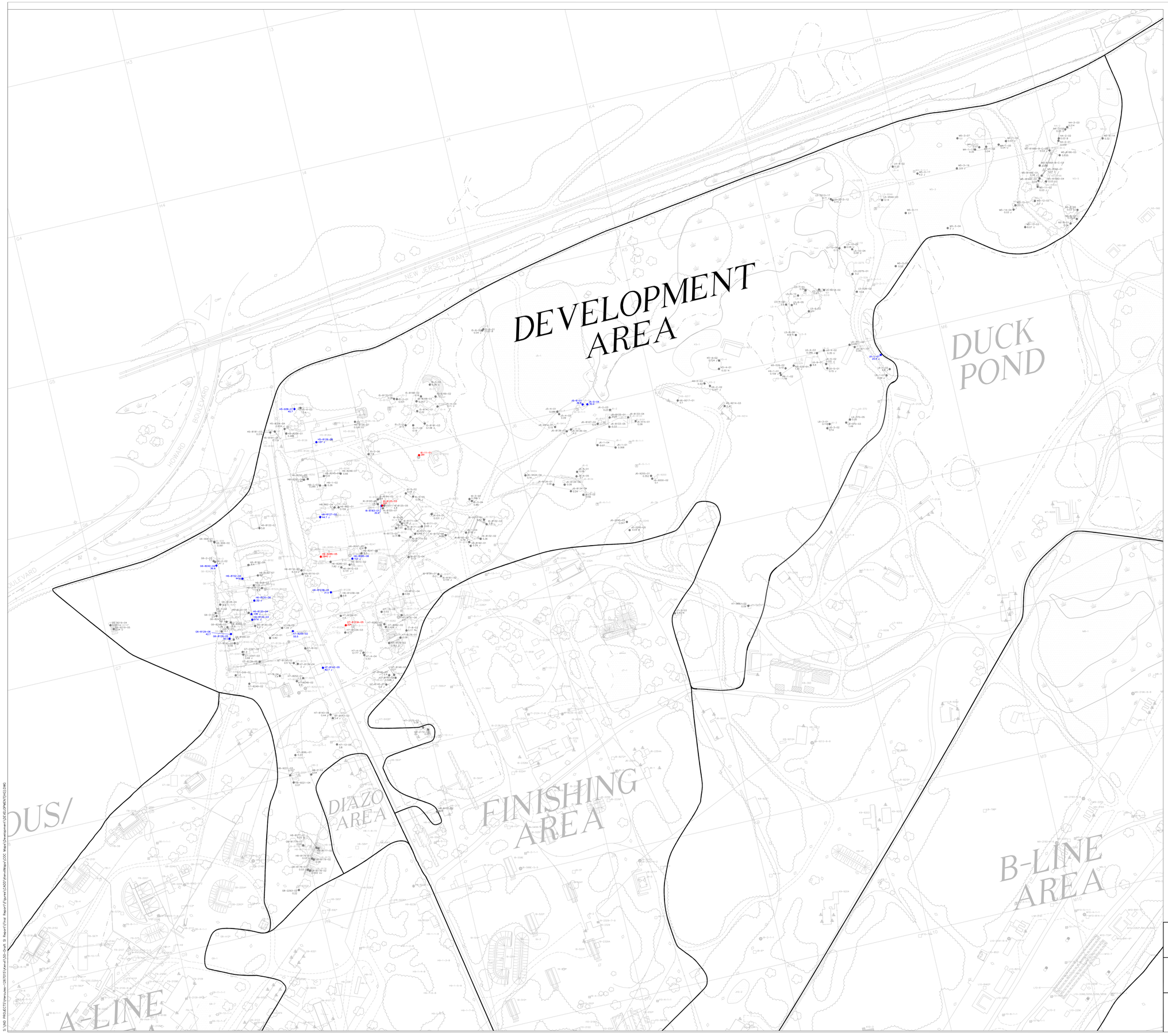
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
LEAD (mg/kg)

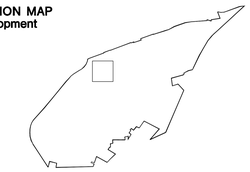
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LOCATION MAP
Development



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
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- UNKNOWN BUILDING
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- CONFINED SPACE PIT
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north
0 30 60 120
SCALE: FEET
1"=120'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

DEVELOPMENT AREA
MERCURY (mg/kg)

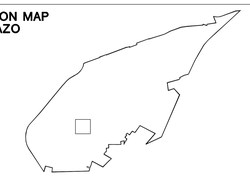
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LOCATION MAP
DIAZO



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
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- UNDERGROUND STORAGE TANK (UST)
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- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

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north
0 5 10 20
SCALE: FEET
1"=20'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

DIAZO AREA

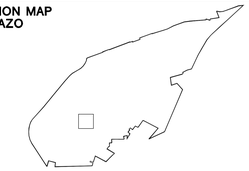
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LOCATION MAP
DIAZO



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
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- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 — SCREENING SAMPLE LOCATION ID
- E9-2296-01 — ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 5 10 20
SCALE: FEET
1"=20'

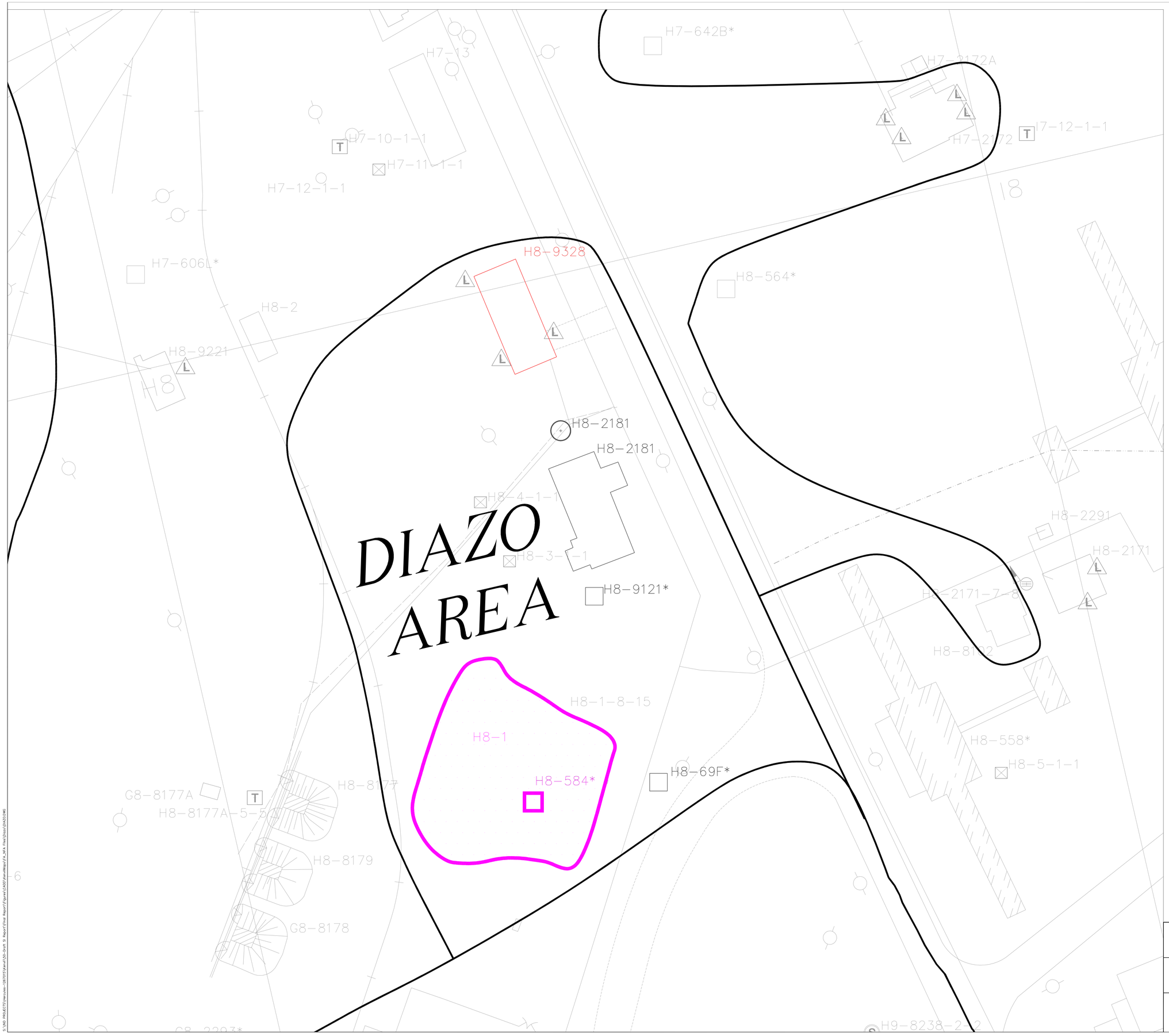
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

DIAZO AREA

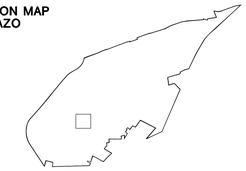
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LOCATION MAP
DIAZO



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 19607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 5 10 20
SCALE: FEET
1"=20'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

DIAZO AREA

MWH

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MAINTENANCE AREA

A-LINE AREA

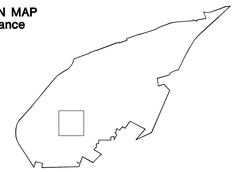
DYNAMITE AREA

MISCELLANEOUS/ OFFSITE AREA

DIAZO AREA

FINISHING AREA

LOCATION MAP
Maintenance



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

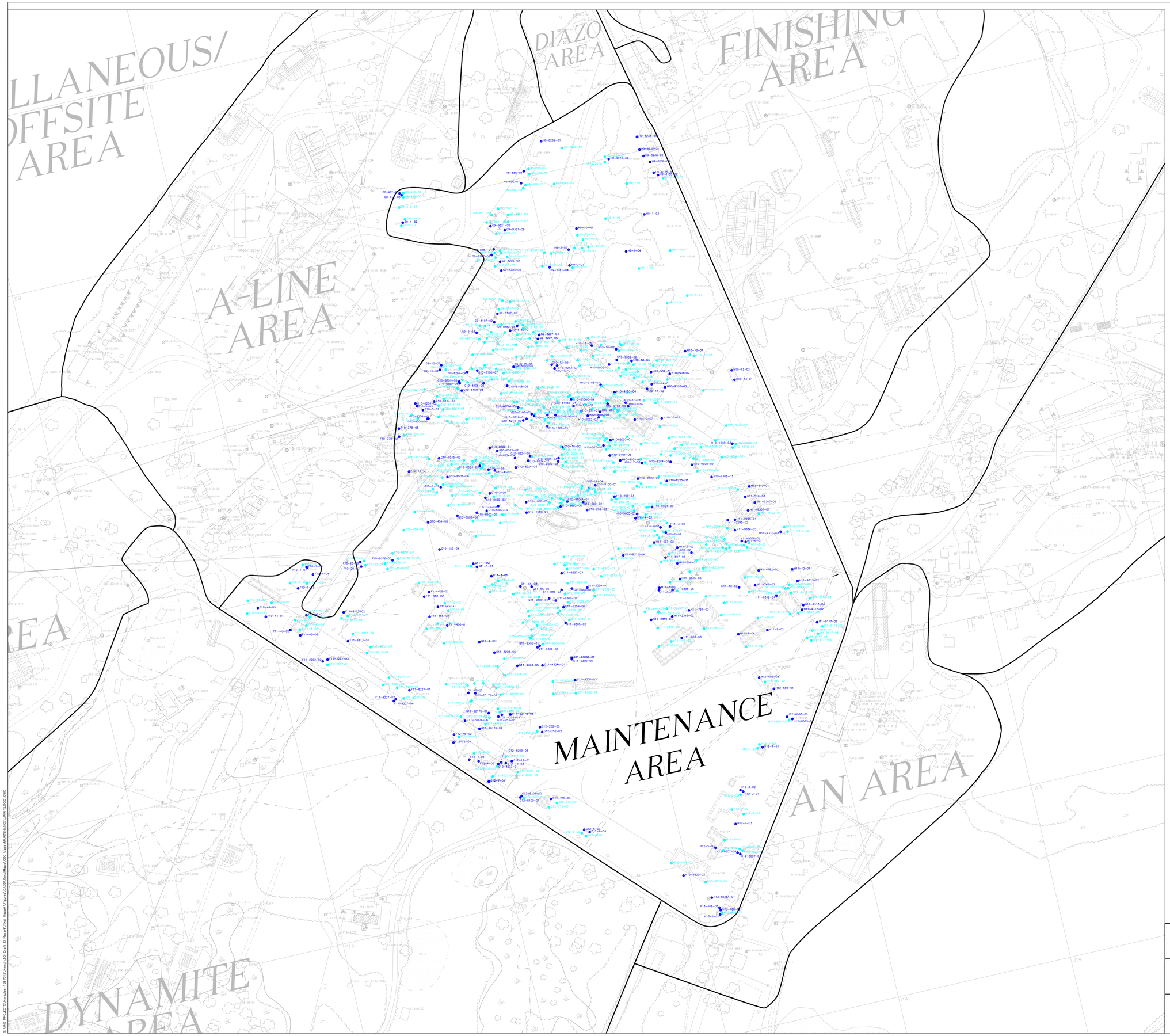
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

MAINTENANCE AREA

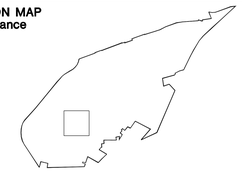
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

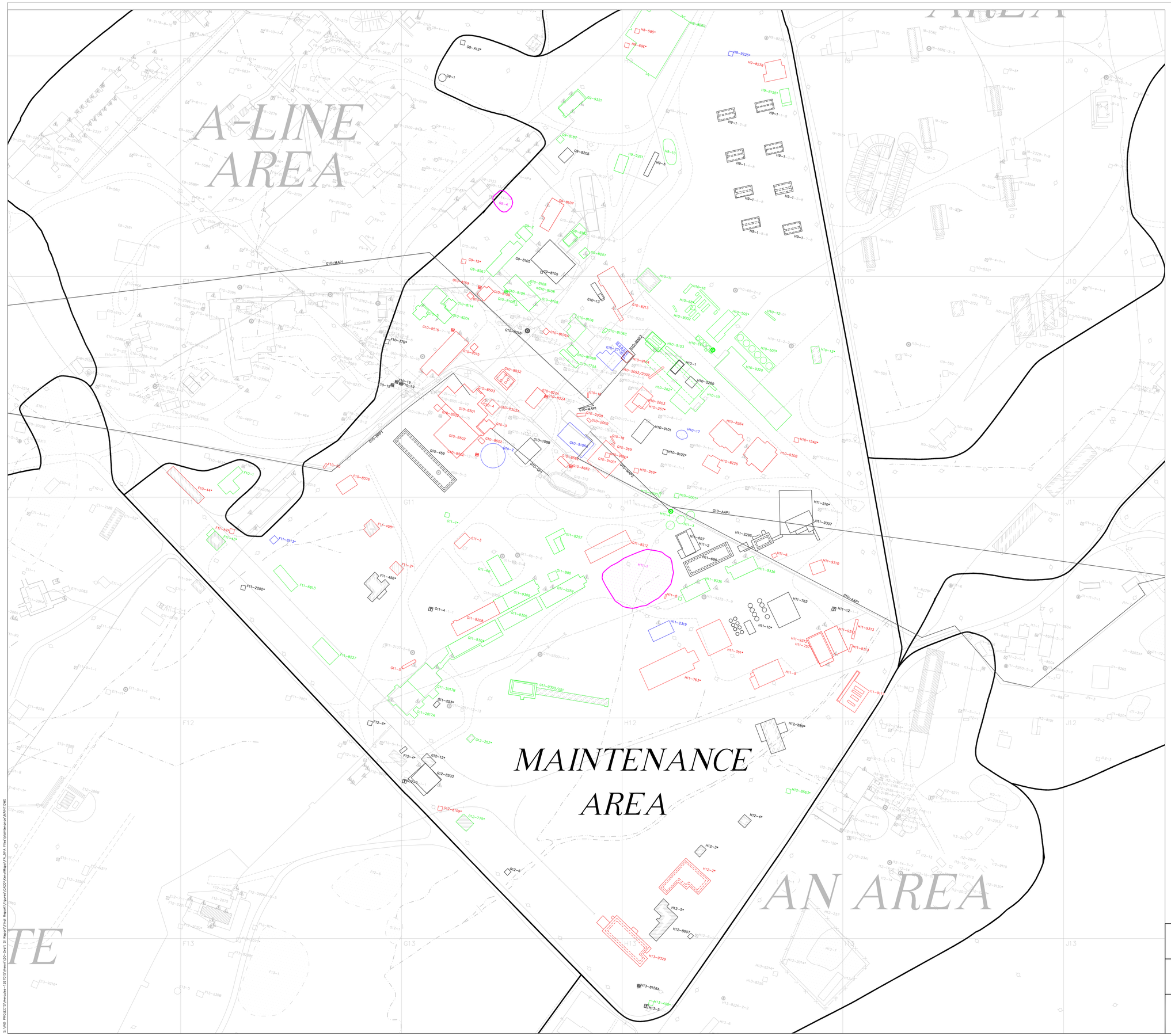
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

MAINTENANCE AREA

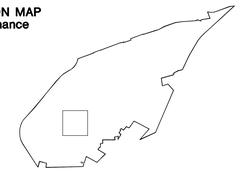
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LOCATION MAP
Maintenance



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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north

0 20 40 80
SCALE: FEET
1"=40'

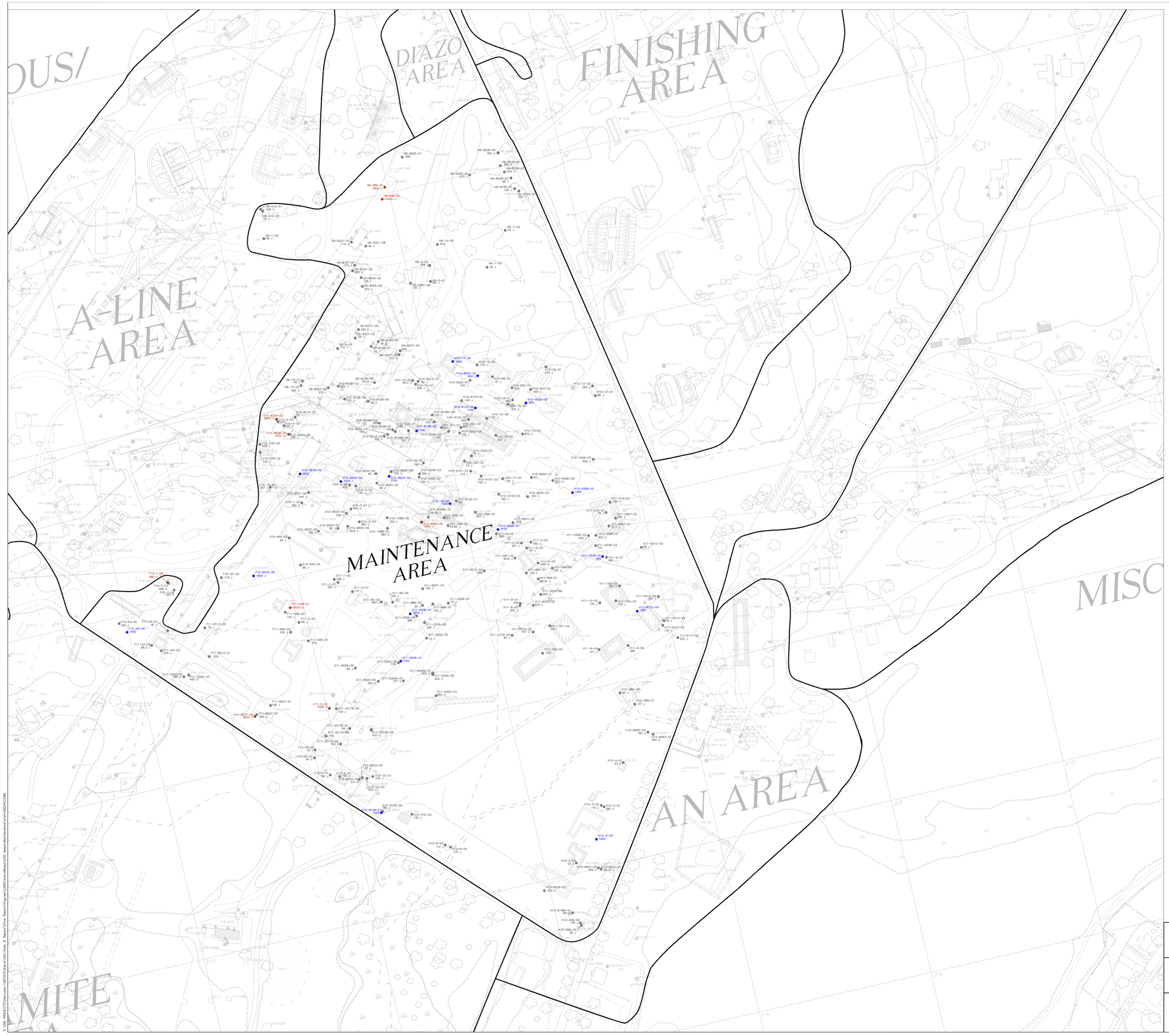
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

MAINTENANCE AREA

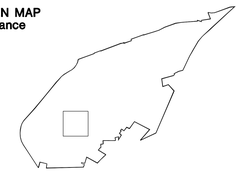
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
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- GENERAL CONCRETE PAD
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- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONNG PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 25 50 100
SCALE: FEET
1"=100'

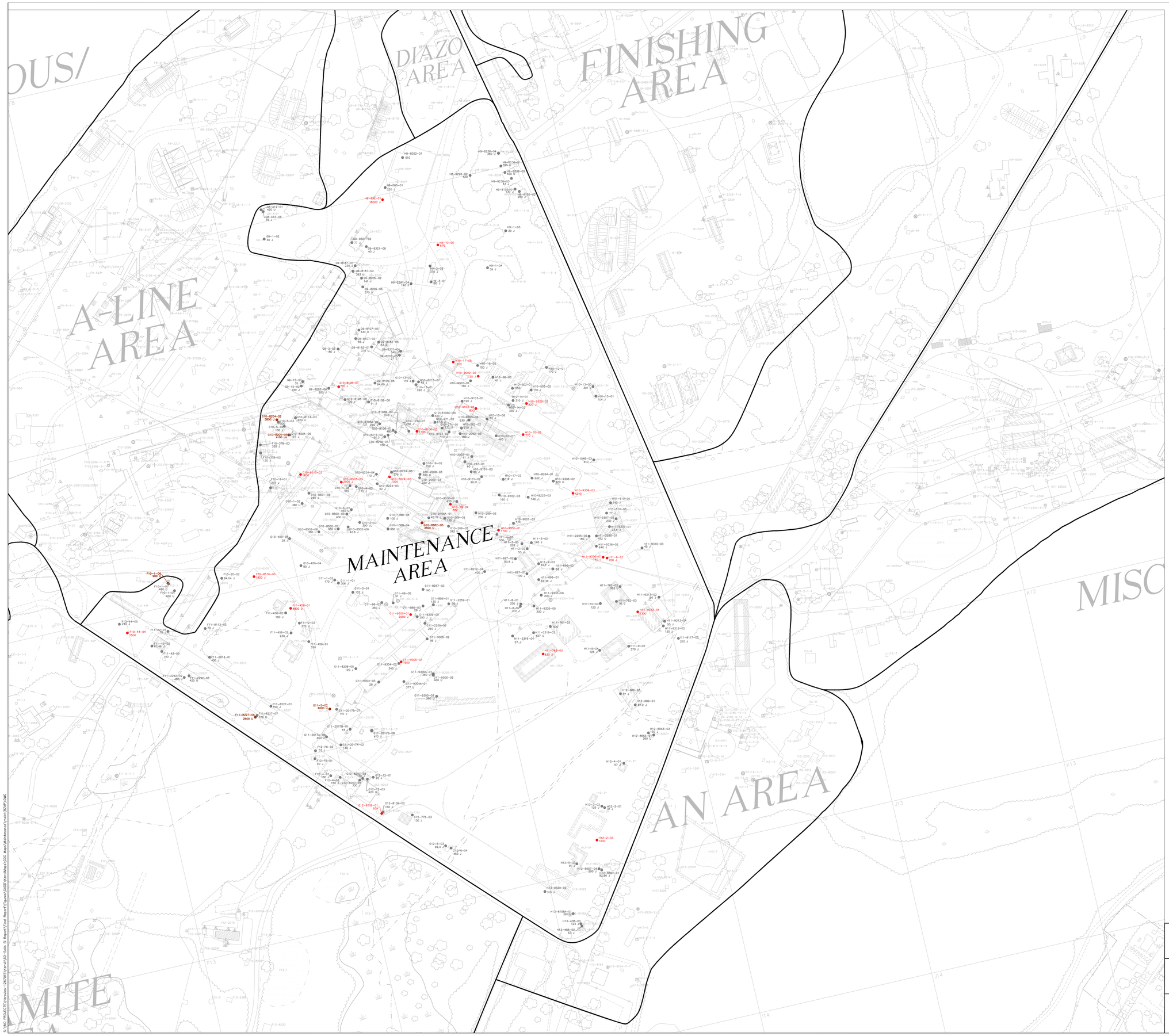
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
BENZO(A) ANTHRACENE (ug/kg)

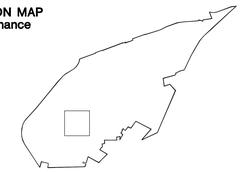
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

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north

0 25 50 100
SCALE: FEET
1"=100'

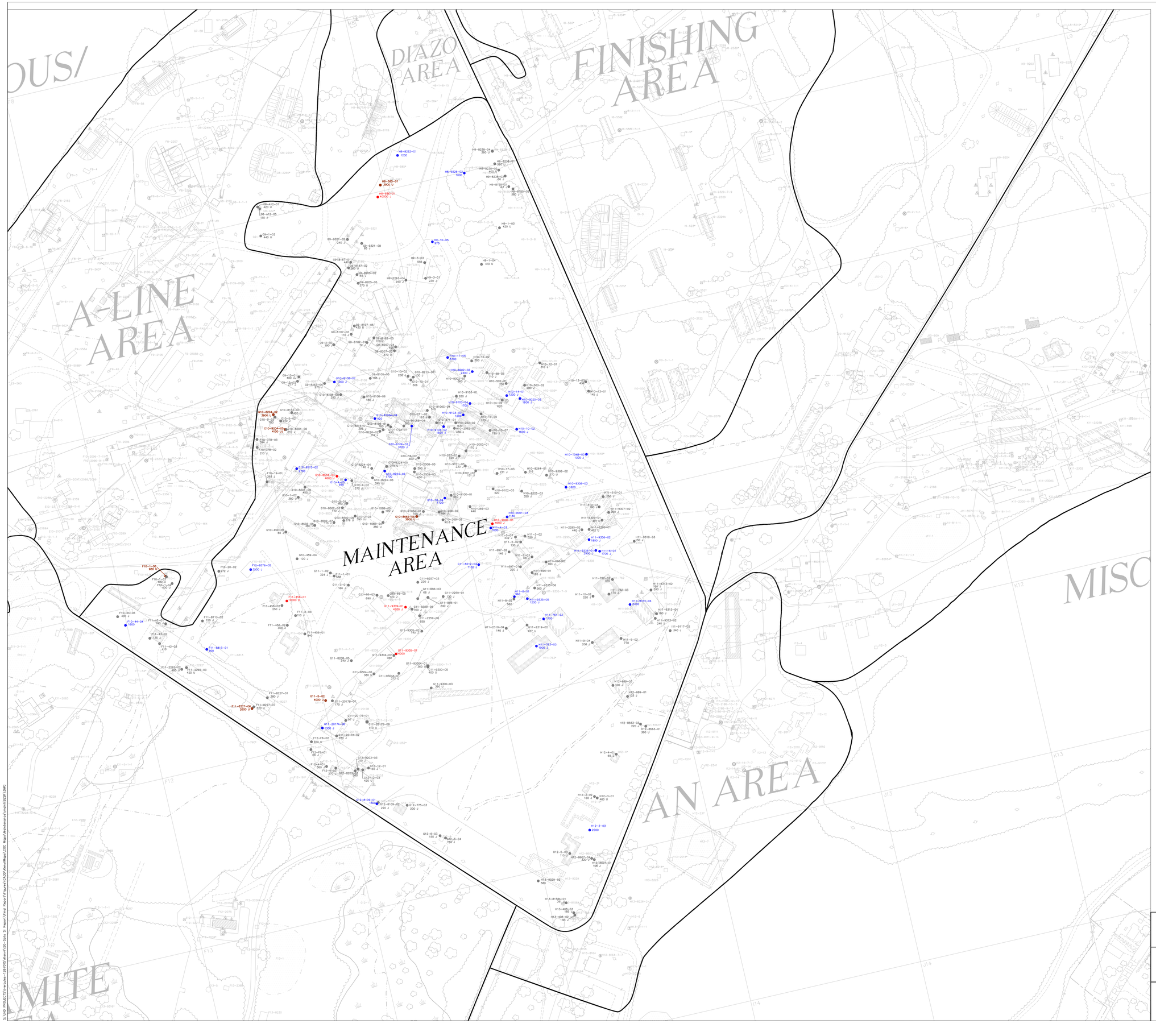
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
BENZO(A) PYRENE (ug/kg)

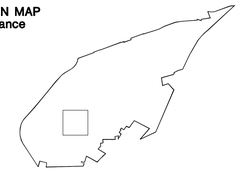
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
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north
0 25 50 100
SCALE: FEET
1" = 100'

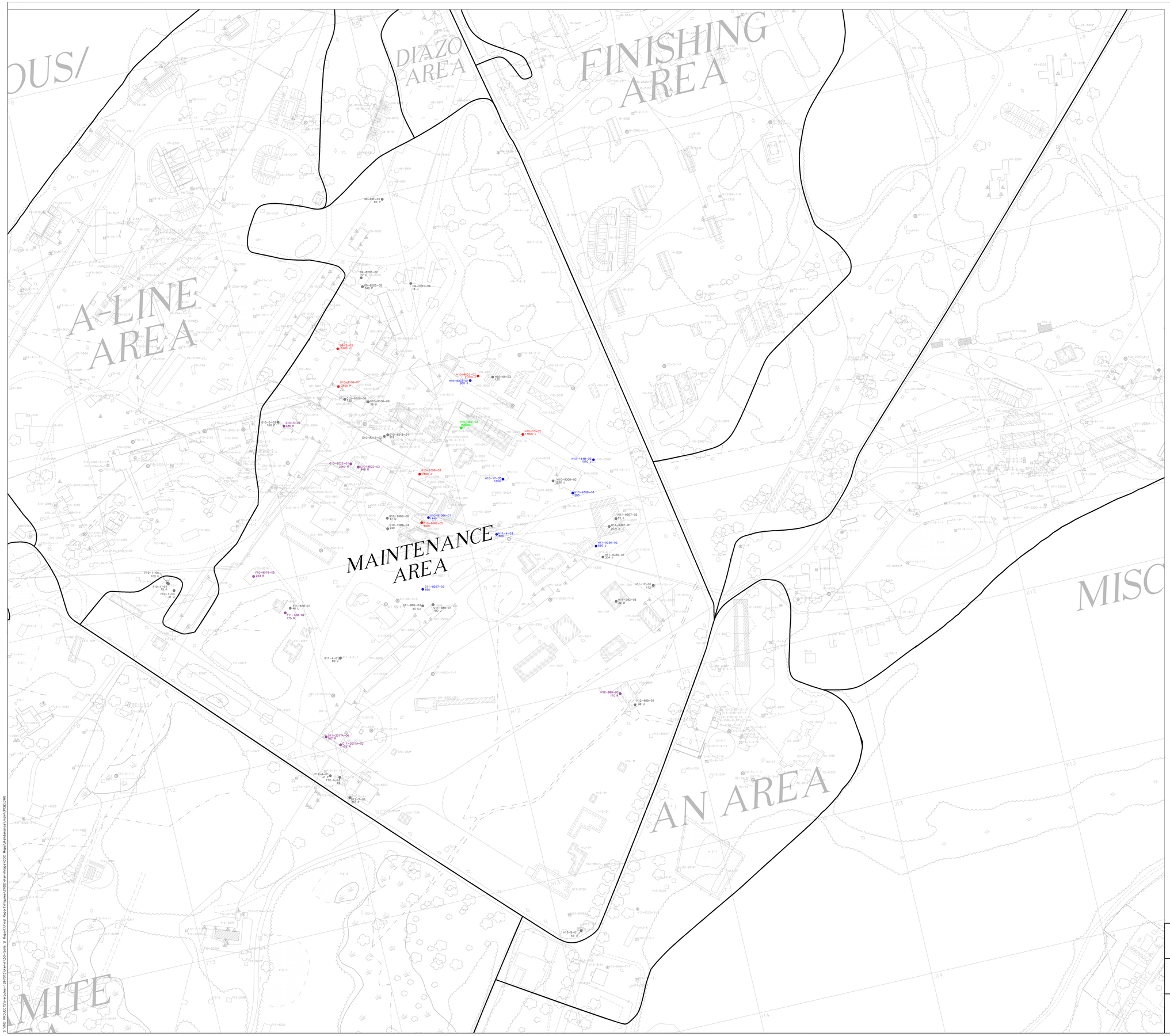
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
BENZO(B) FLUORANTHENE (ug/kg)

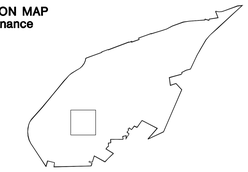
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
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- PERIMETER OF WET AREA
- SURFACE WATER
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- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

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north

0 25 50 100

SCALE: FEET
1"=100'

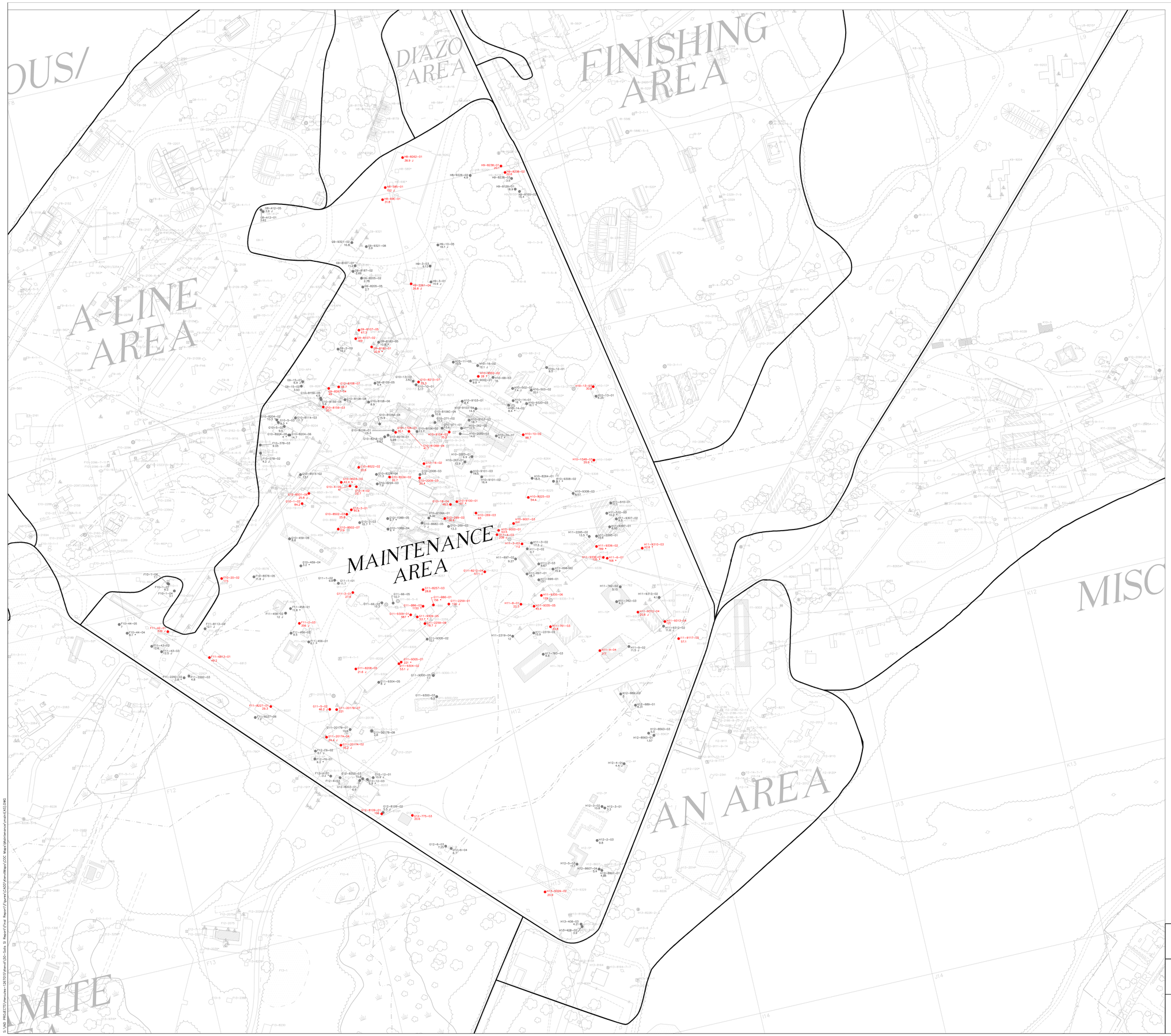
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
POLYCHLORINATED BIPHENYLS (ug/kg)

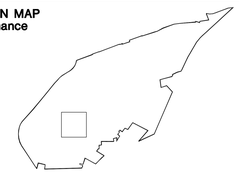
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
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- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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north
0 25 50 100
SCALE: FEET
1"=100'

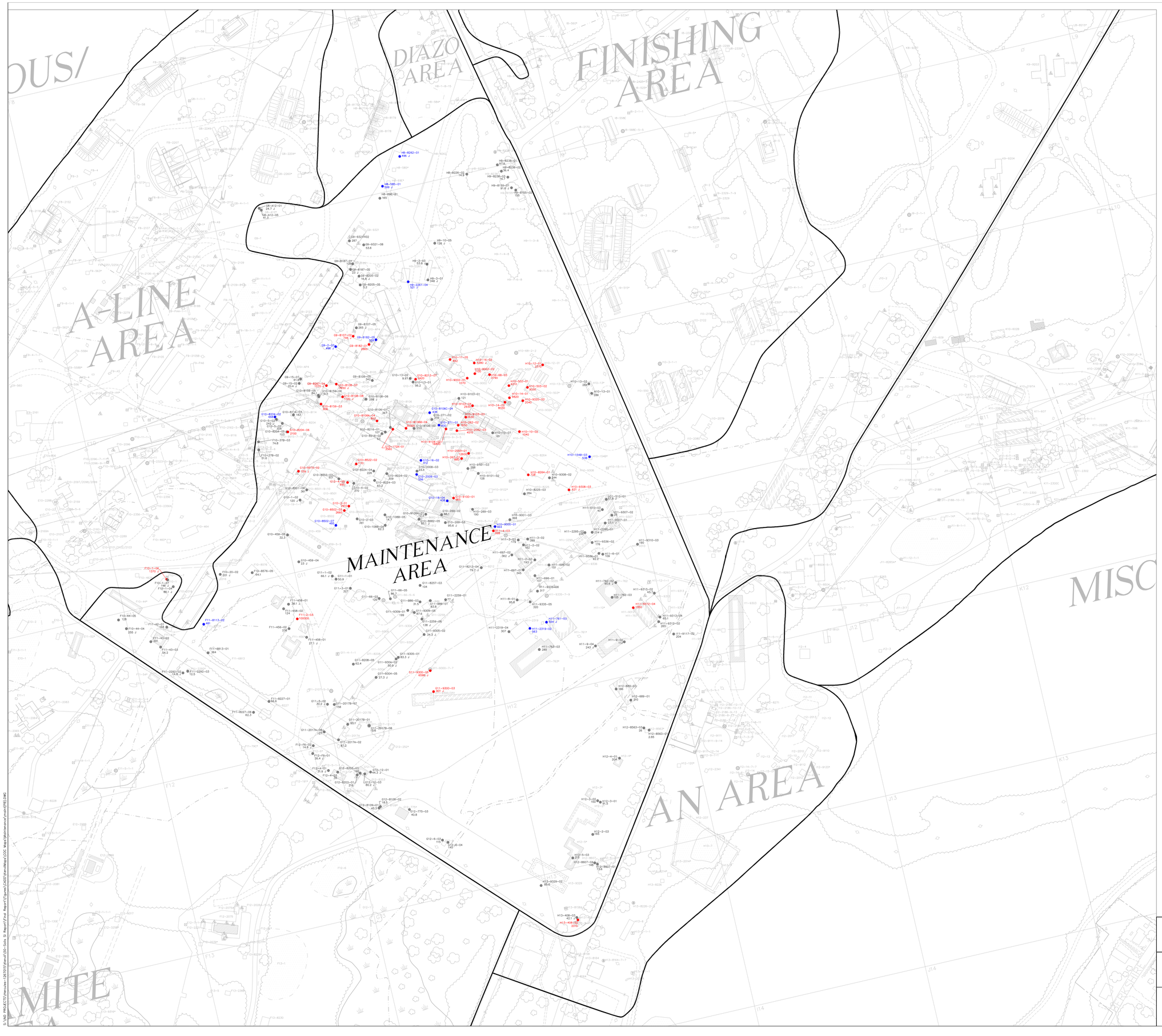
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
ARSENIC (mg/kg)

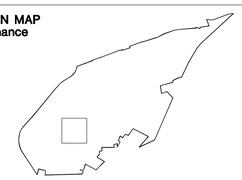
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LOCATION MAP
Maintenance



LEGEND:

- FEATURE IDENTIFIER
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- UTILITY POLE
- LIGHT POLE
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- FENCE
- PROPERTY LINE
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- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

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north

0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MAINTENANCE AREA
LEAD (mg/kg)

MWH

A-43

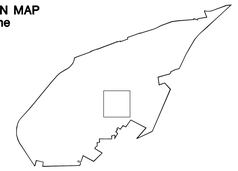
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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

NISHING AREA

LOCATION MAP
B-Line



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

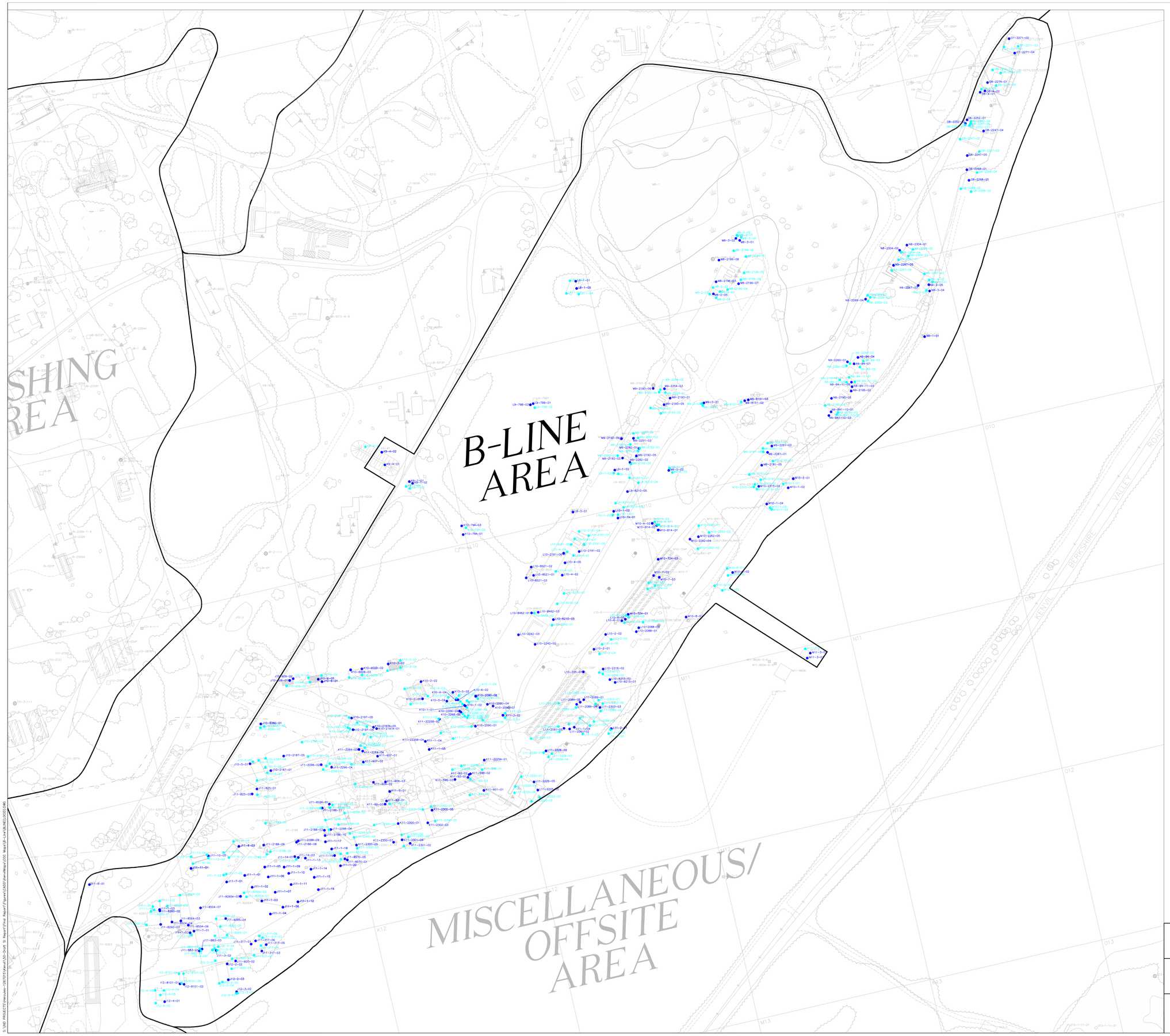
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

B-LINE

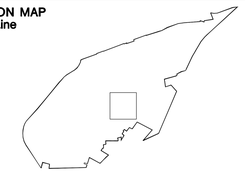
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LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEO CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

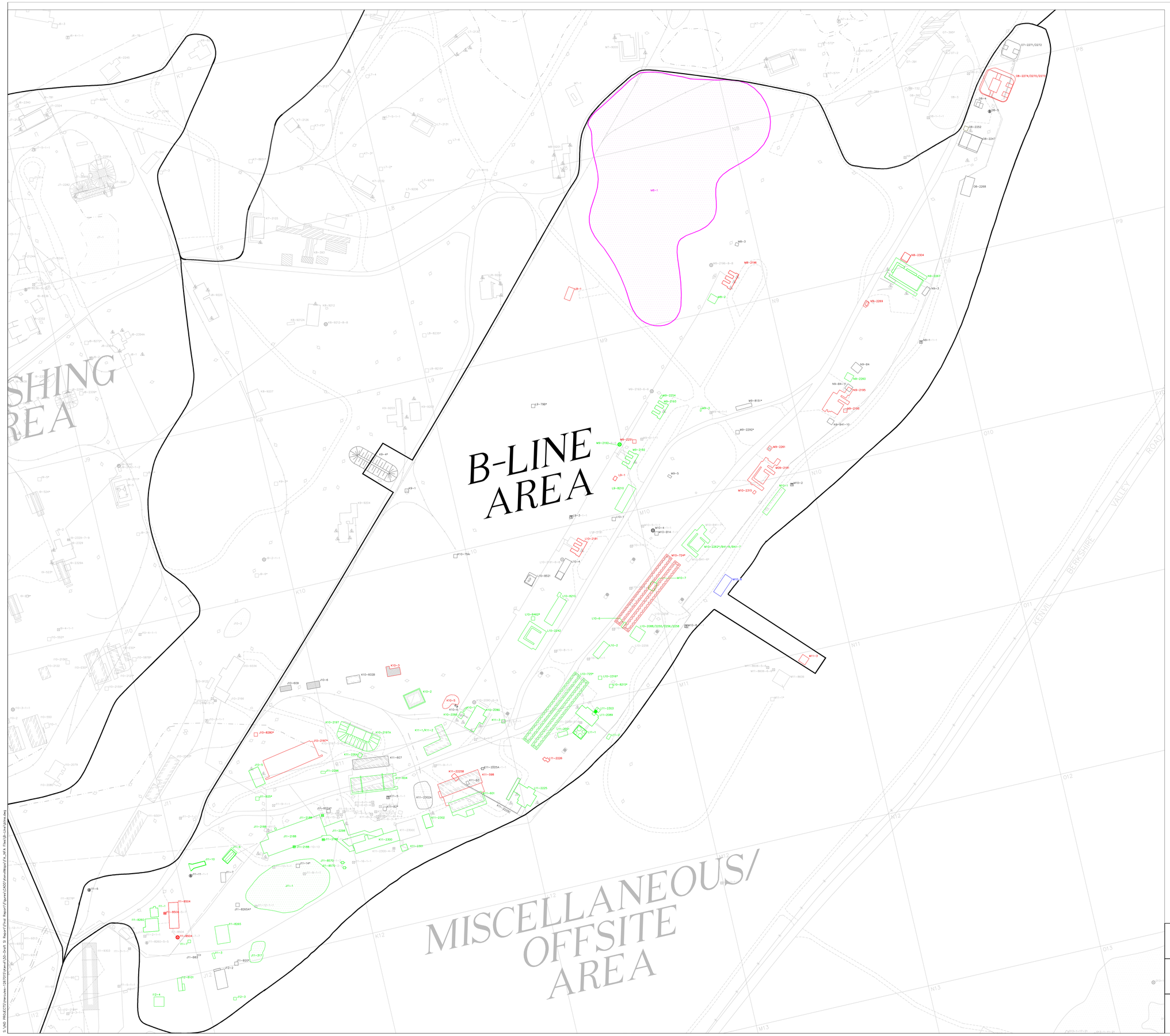
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

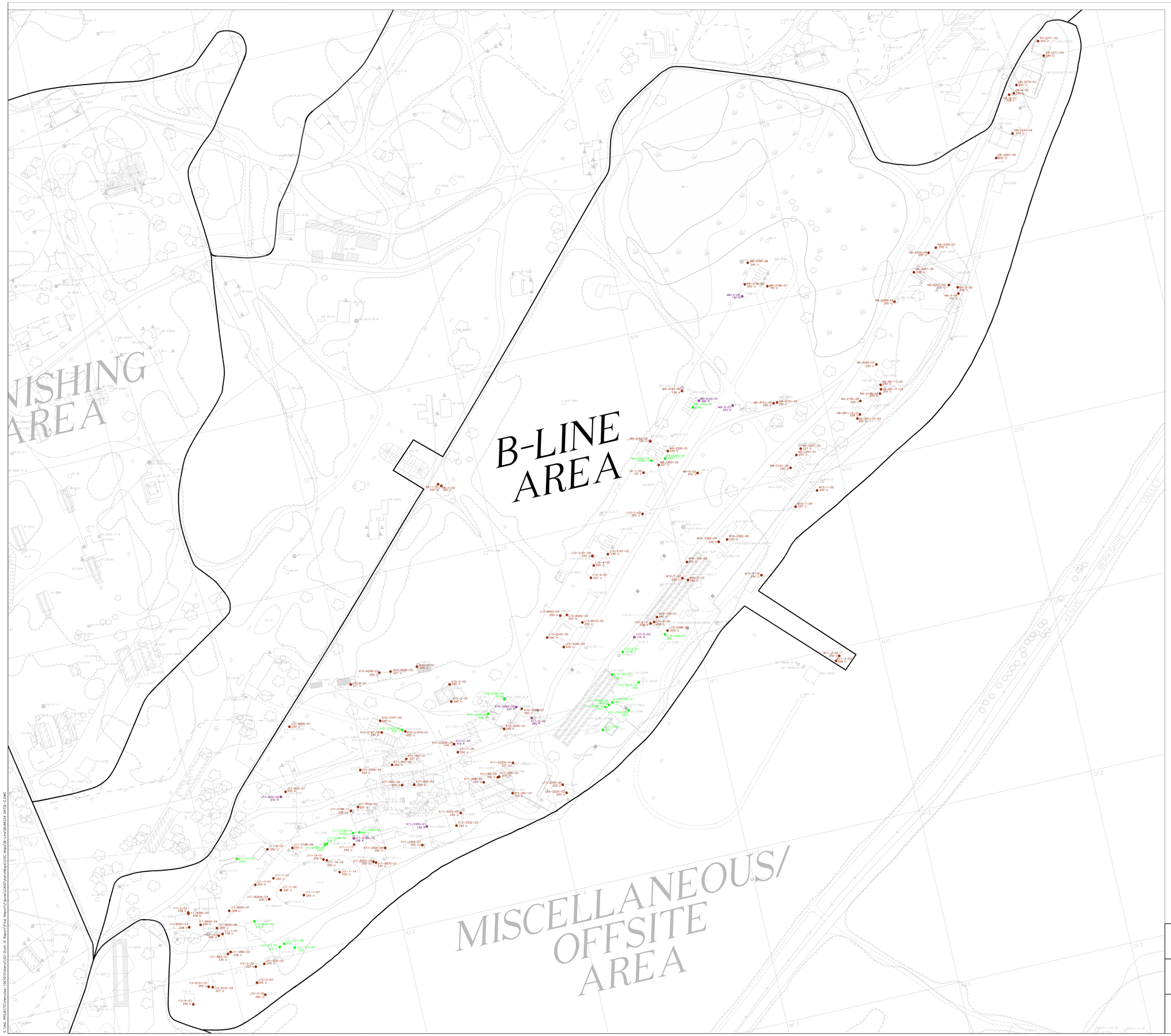
B-LINE

MWH

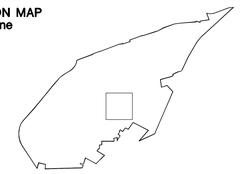
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B-LINE AREA
MISCELLANEOUS/ OFFSITE AREA
MB-1
M9-1
M9-2
M9-3
M9-4
M9-5
M9-2254
M9-2193
M9-2192
M9-2251
M9-2192
M9-2292*
M9-B151*
M9-2081
M9-2191
M9-2195
M9-2195
M9-2260
M9-B41-10
M9-B4
M9-B41-11
M9-2267
M9-2269
M9-2304
M9-2196
M8-1
M8-2
M8-3
M10-2315
M10-724*
M10-7
M10-2262*/B41/6/B41-7
M10-2
M10-1
M10-4
M10-B14
M10-B41-11
M10-B41-10
M10-B41-9
M10-B41-8
M10-B41-7
M10-B41-6
M10-B41-5
M10-B41-4
M10-B41-3
M10-B41-2
M10-B41-1
L10-2191
L10-8521
L10-8215
L10-8462*
L10-2242
L10-2088/2255/2256/2258
L10-2256
L10-2
L10-725*
L10-2256*
L10-8215*
L10-6
L10-7
L9-2191
L9-8210
L9-1
K9-4*
K9-1
K9-9204
K9-9205
K9-9207
K9-9212-B-8
K9-9212
K9-9213
K9-9214
K9-9215
K9-9216
K9-9217
K9-9218
K9-9219
K9-9220
K9-9221
K9-9222
K9-9223
K9-9224
K9-9225
K9-9226
K9-9227
K9-9228
K9-9229
K9-9230
K9-9231
K9-9232
K9-9233
K9-9234
K9-9235
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K9-9240
K9-9241
K9-9242
K9-9243
K9-9244
K9-9245
K9-9246
K9-9247
K9-9248
K9-9249
K9-9250
K9-9251



LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA
- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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north

0 25 50 100
SCALE: FEET
1"=100'

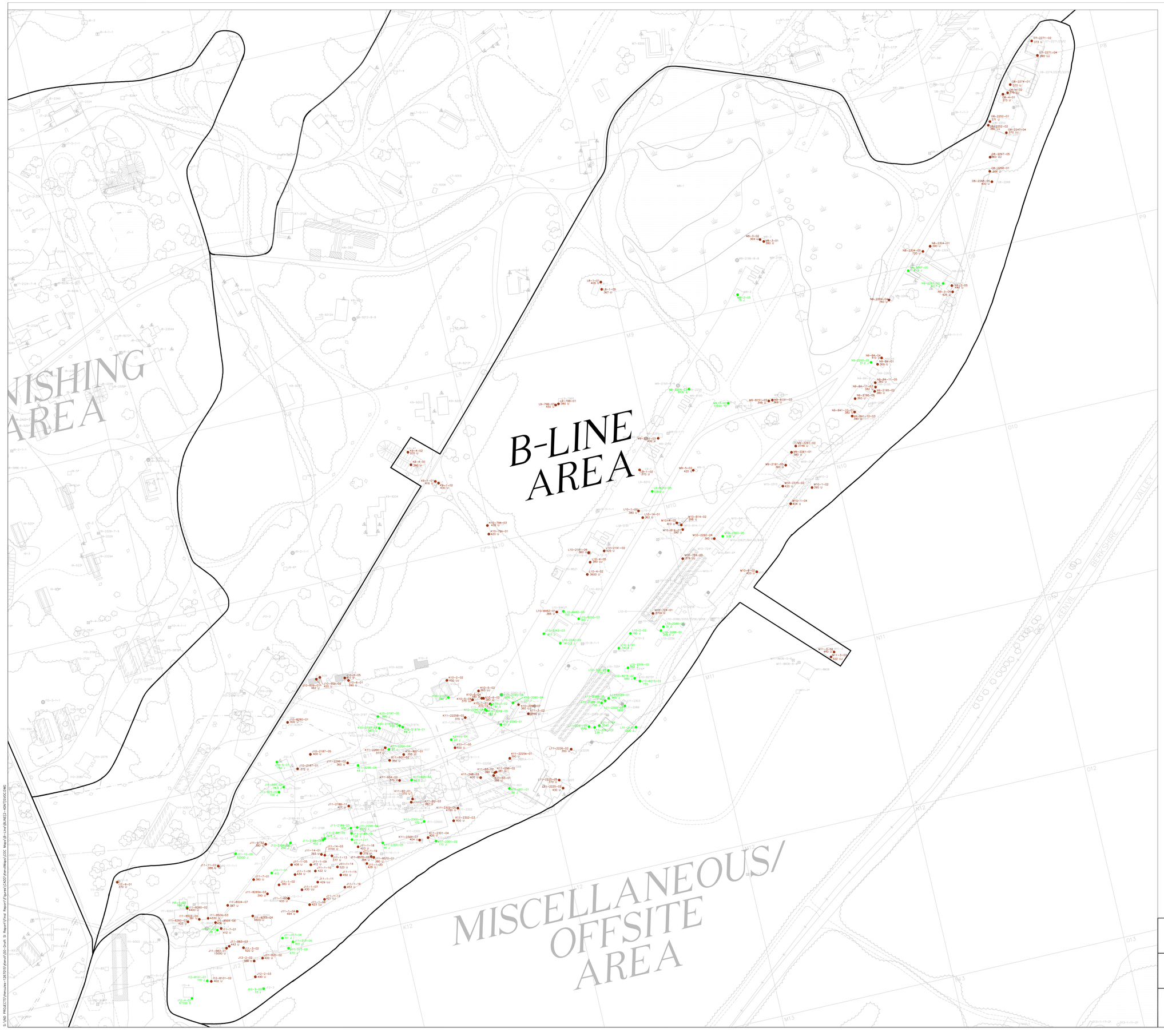
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
2,4/2,6 - DINITROTOLUENE-E&E (ug/kg)

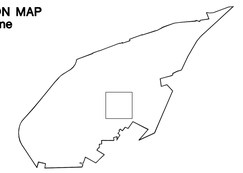
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LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
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- REMNANT STORAGE BUILDING
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
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north
0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
2,4/2,6 - DINITROTOLUENE-SVOC (ug/kg)

MWH

A-48

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LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
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- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.
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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.
4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north
0 25 50 100
SCALE: FEET
1" = 100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
NITROGLYCERIN (ug/kg)

MWH

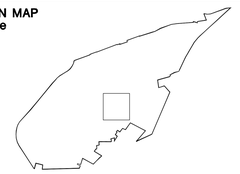
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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
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- STREAMS
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- TRAIL/DIRT ROAD
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- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
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north

0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
BENZO(A) ANTHRACENE (ug/kg)

MWH

A-50

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B-LINE AREA

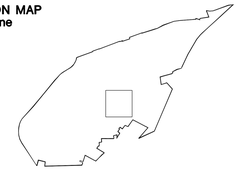
MISCELLANEOUS/ OFFSITE AREA

VALLEY ROAD

KENVIL

FERGUSHIRE

LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
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north

SCALE: FEET
0 25 50 100
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
BENZO(A) PYRENE (ug/kg)

MWH

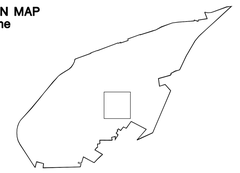
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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
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- STREAMS
- STONE WALL
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- ELECTRIC SUBSTATION
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- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
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- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

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north
0 25 50 100
SCALE: FEET
1" = 100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
BENZO(B) FLUORANTHENE (ug/kg)

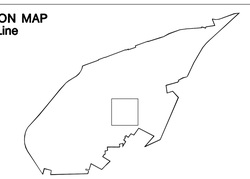
MWH

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LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north
0 25 50 100
SCALE: FEET
1" = 100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
BENZO(K) FLUORANTHENE (ug/kg)

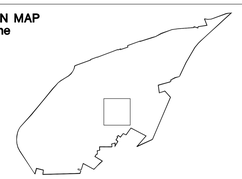
MWH

A-53

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LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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north

0 25 50 100

SCALE: FEET
1" = 100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
INDENO (1,2,3 - CD) PYRENE (ug/kg)

MWH

A-54

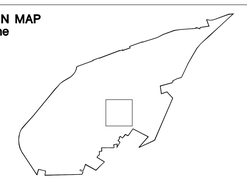
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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

ISHING REA

LOCATION MAP
B-Line



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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north
0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
ARSENIC (mg/kg)

MWH

A-55

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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

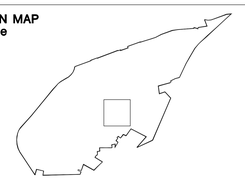
ISHING REA

VALLEY

BERKSHIRE

KENVIL

LOCATION MAP
B-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
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- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
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- TRANSFORMER
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- PROCESS GUTTER
- PROCESS PIPELINE
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- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
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- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

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2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 19607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 25 50 100

SCALE: FEET
1" = 100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

B-LINE
LEAD (mg/kg)

MWH

A-56

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MISCELLANEOUS/ OFFSITE AREA

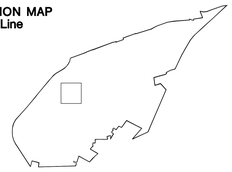
A-LINE AREA

DIAZO AREA

MAINTENANCE AREA

NG AREA

LOCATION MAP
A-Line



LEGEND:

- N7~9222~7~7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
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- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.
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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 20 40 80
SCALE: FEET
1"=80'

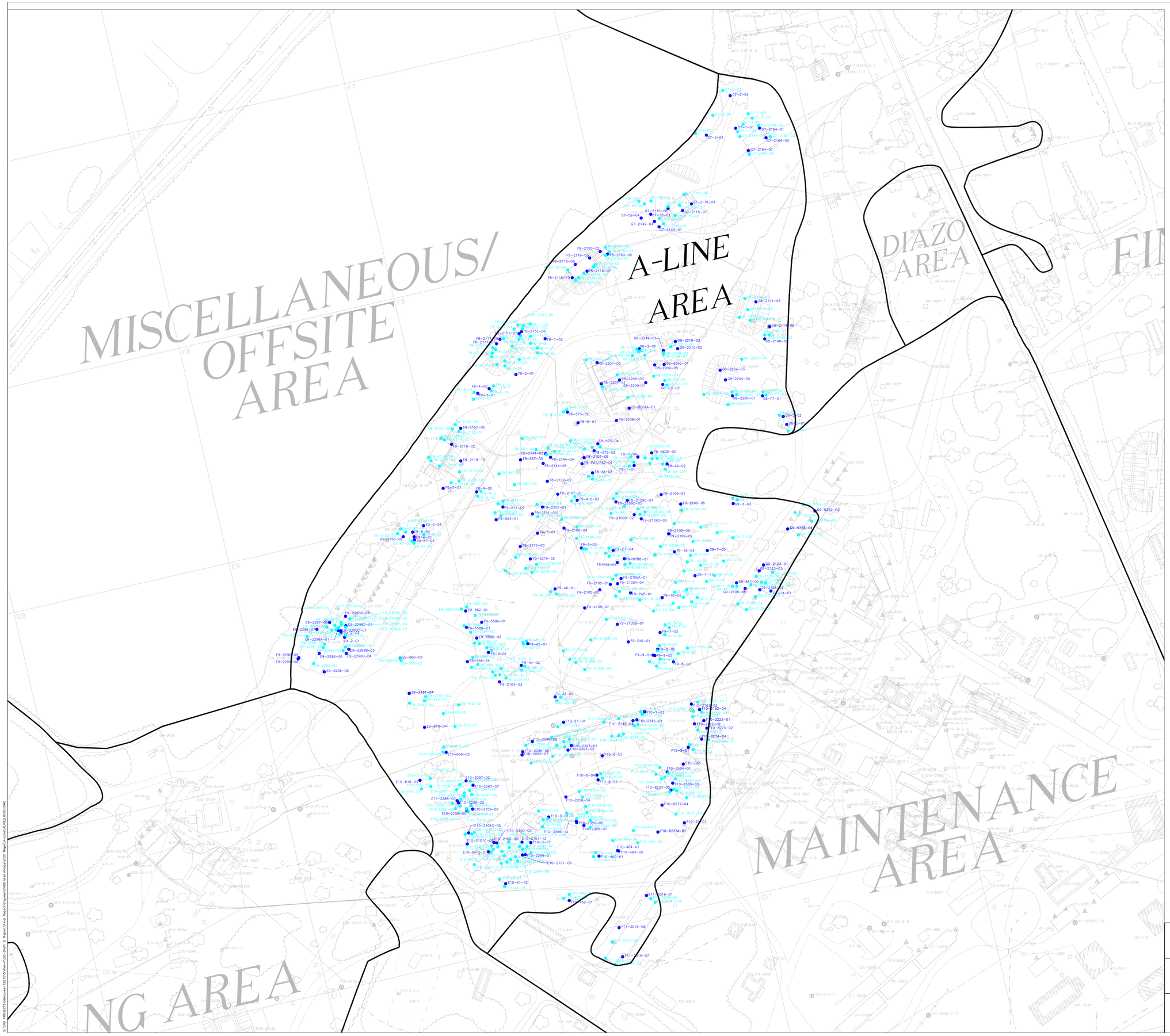
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

A-LINE

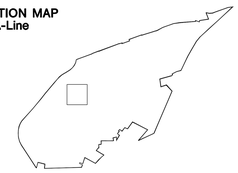
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A-57

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LOCATION MAP
A-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 20 40 80
SCALE: FEET
1"=80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

A-LINE

MWH

A-58

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MISCELLANEOUS/
OFFSITE
AREA

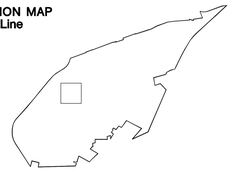
A-LINE
AREA

DIAZO
AREA

MAINTENANCE
AREA

NG AREA

LOCATION MAP
A-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 20 40 80
SCALE: FEET
1"=80'

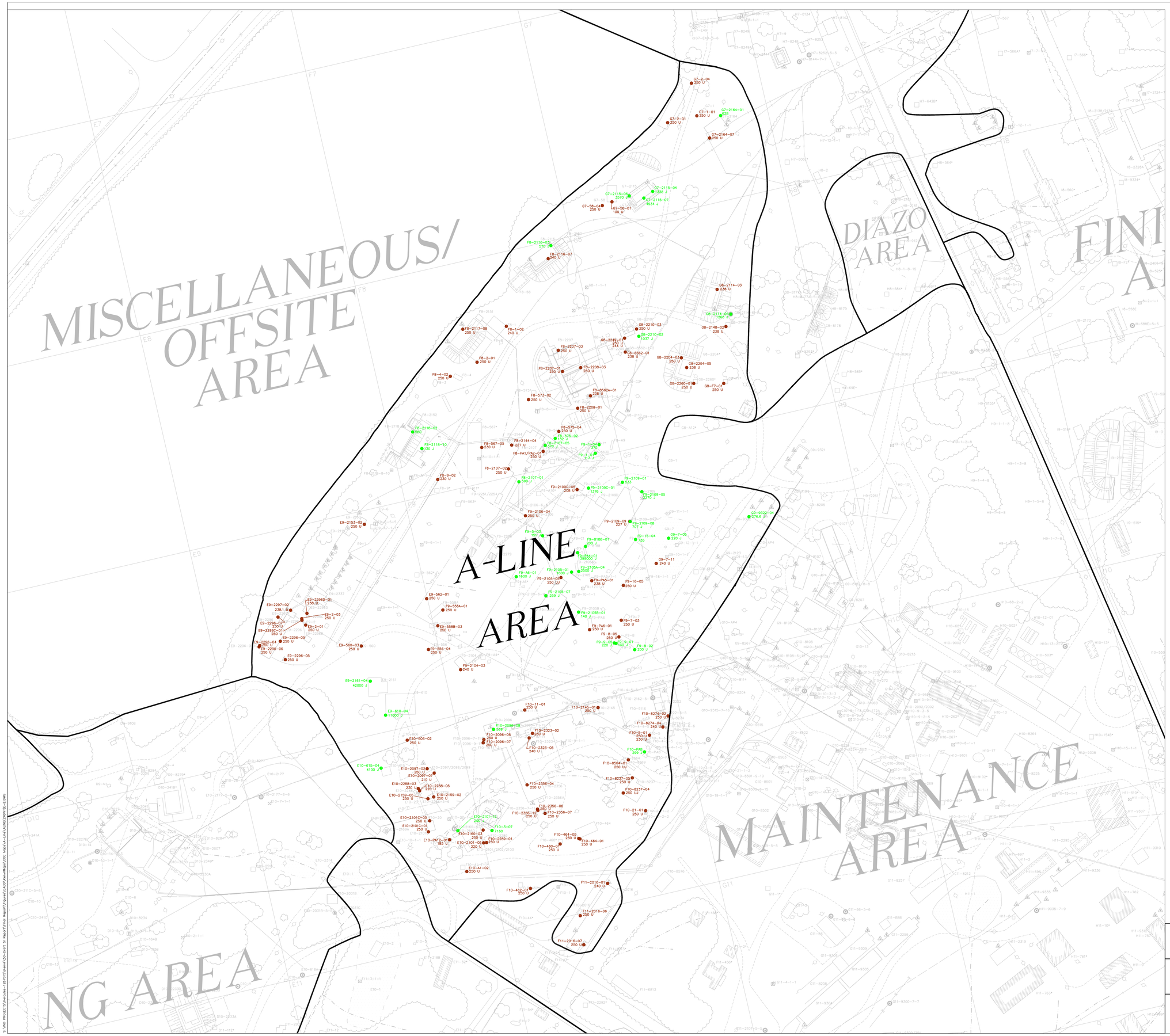
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

A-LINE

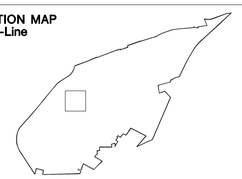
MWH

A-59

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LOCATION MAP
A-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

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north
0 20 40 80
SCALE - FEET
1"=40'

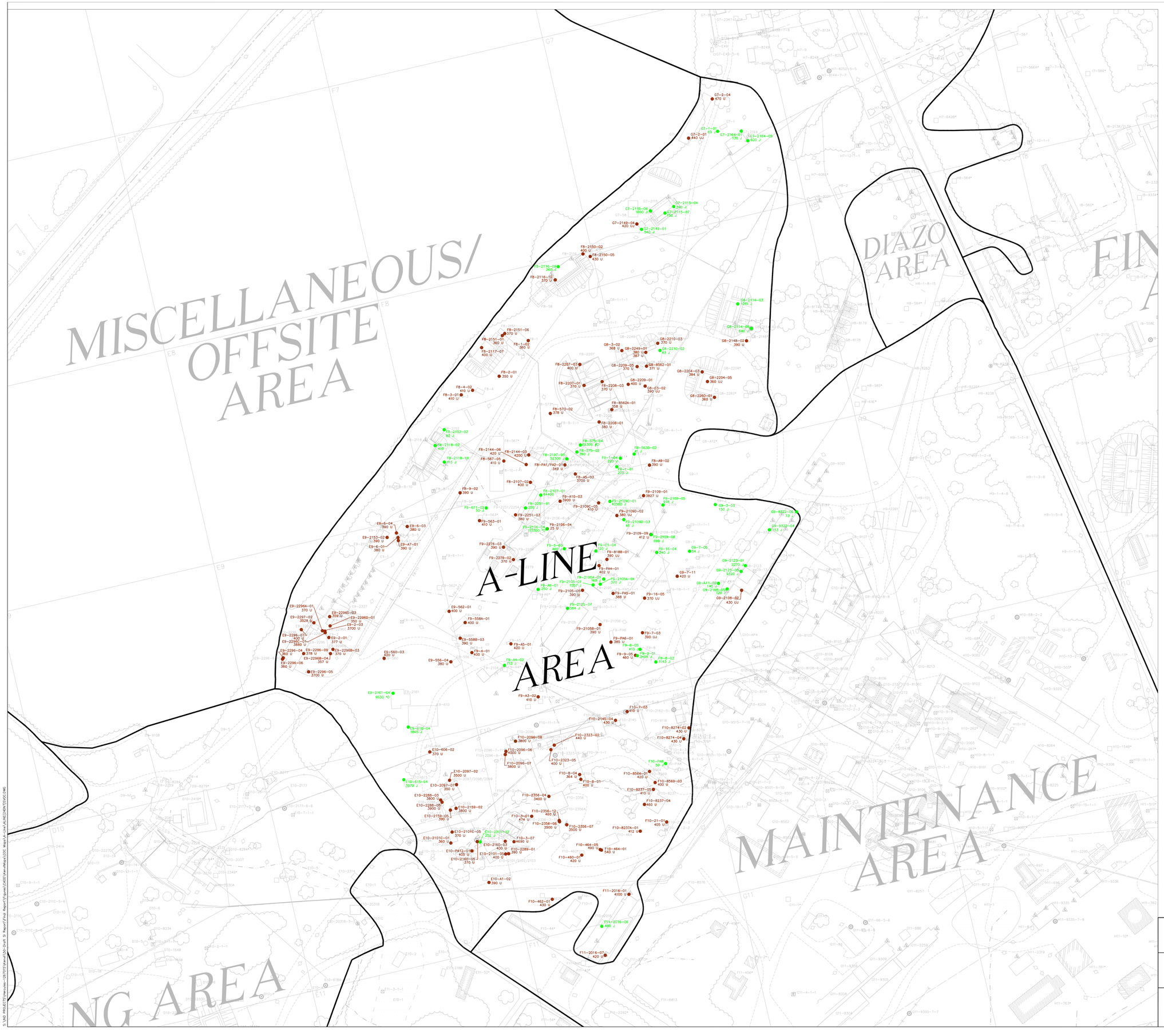
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

A-LINE
2,4/2,6 - DINITROTOLUENE E&E (ug/kg)

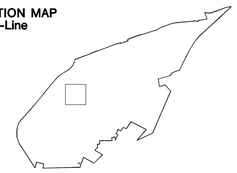
MWH

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LOCATION MAP
A-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
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north
0 20 40 80
SCALE: FEET
1"=80'

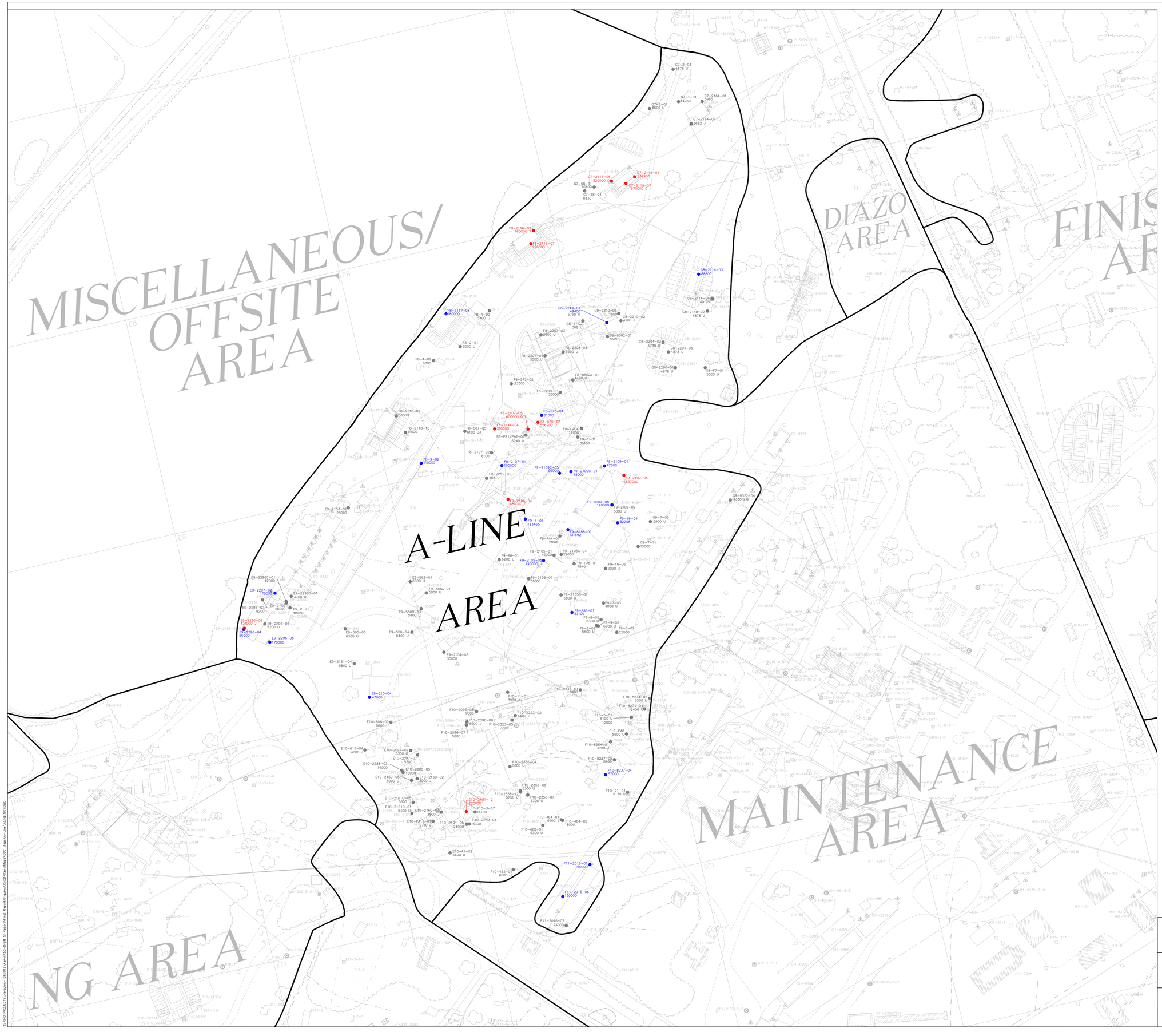
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

A-LINE
2,4/2,6 - DINITROTOLUENE SVOC (ug/kg)

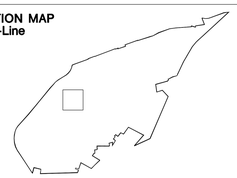
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LOCATION MAP
A-Line



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
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- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
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- PROCESS DITCH
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- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
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north
0 20 40 80
SCALE: FEET
1" = 80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

A-LINE
NITROGLYCERIN (ug/kg)

MWH

A-62

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LOCATION MAP
A-Line

LEGEND:

- FEATURE IDENTIFIER (N7-9222-7-7)
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
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- PROCESS GUTTER
- PROCESS PIPELINE
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- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
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2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north
0 20 40 80
SCALE: FEET
1" = 80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

A-LINE
ARSENIC (mg/kg)

MWH

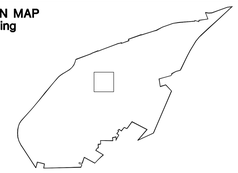
A-63

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FINISHING AREA

DIAZO AREA

LOCATION MAP
Finishing



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE SWE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 20 40 80
SCALE: FEET
1" = 80'

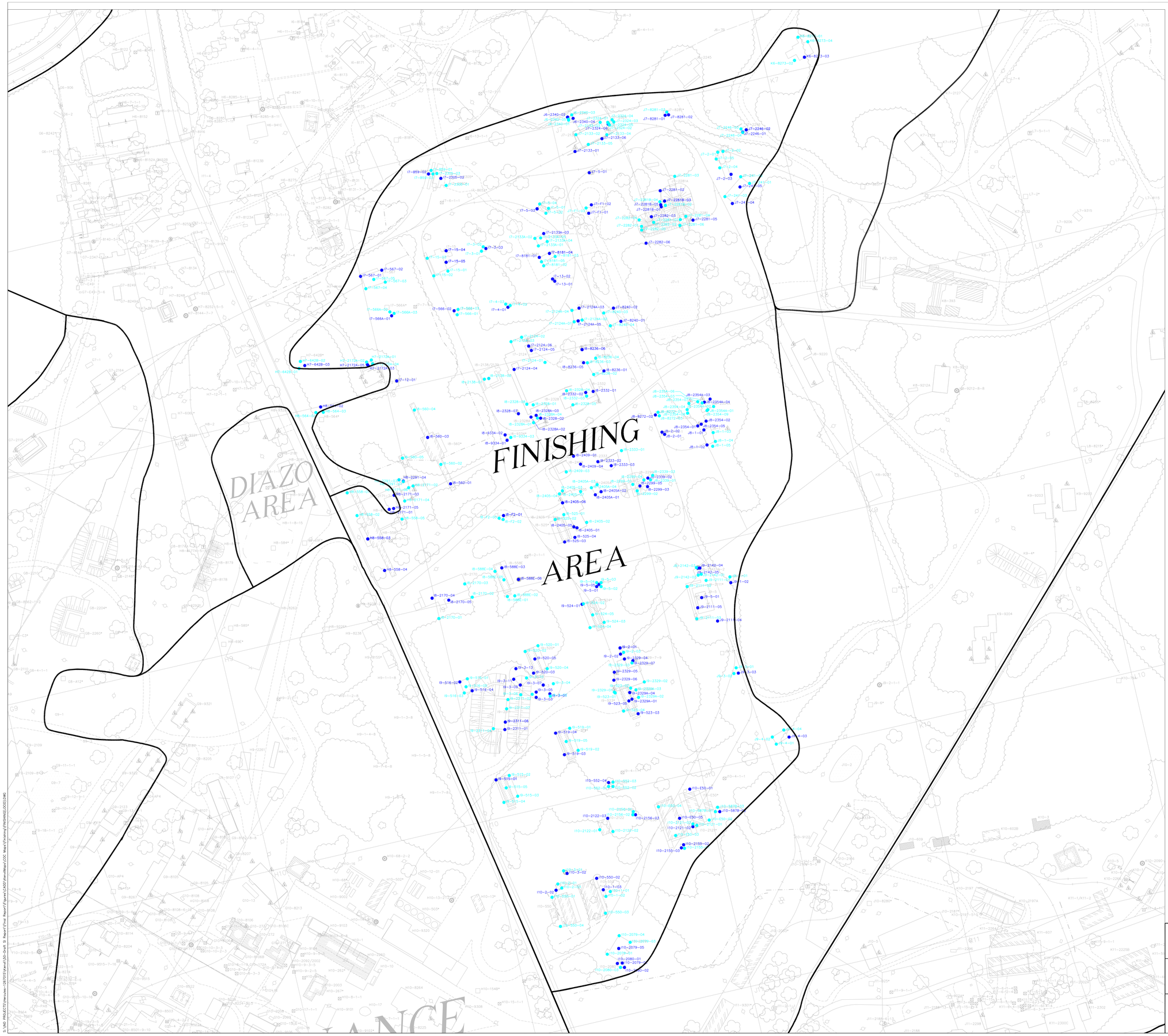
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

FINISHING AREA

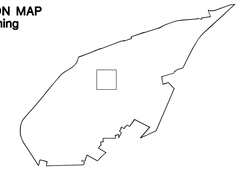
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LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 SCREENING SAMPLE LOCATION ID
- E9-2296-01 ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 20 40 80

SCALE: FEET
1"=80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

FINISHING AREA

MWH

A-65

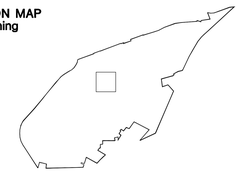
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DIAZO AREA

FINISHING AREA

MAINTENANCE AREA

LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
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- SEPTIC TANK
- TRANSFORMER
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- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

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north

0 20 40 80
SCALE: FEET
1"=80'

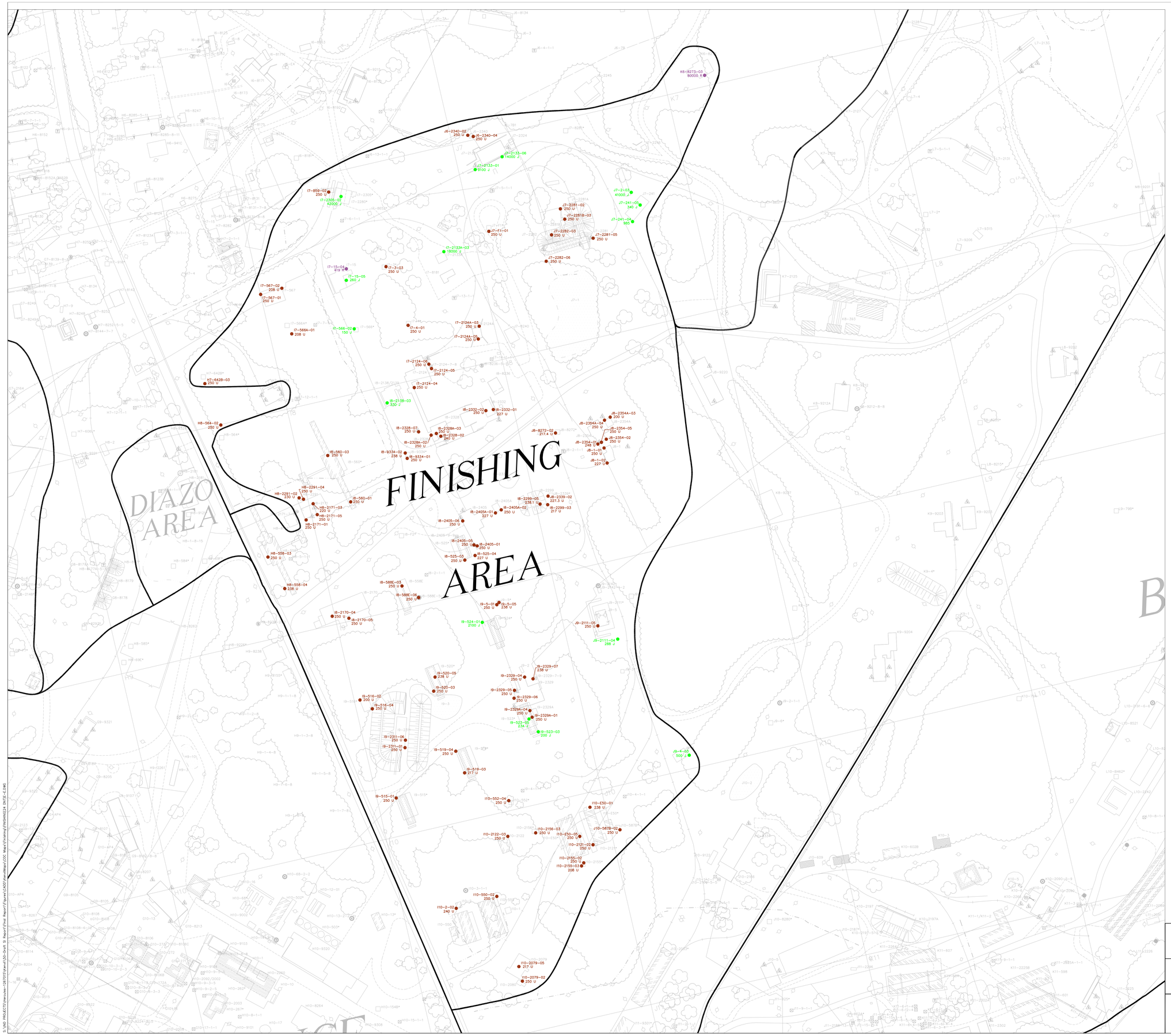
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

FINISHING AREA

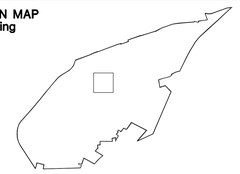
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LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
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- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
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- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
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- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
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- ASBESTOS CONTAINING MATERIAL PIPELINE
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- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA
- CONCENTRATION WAS REJECTED AND FLAGGED WITH A "R" OR CONCENTRATION EXCEEDED THE CALIBRATION RANGE OF THE INSTRUMENT AND FLAGGED WITH AN "E" (SEE NOTE 5)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.
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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.
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NOTES:

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north
0 20 40 80
SCALE: FEET
1"=80'

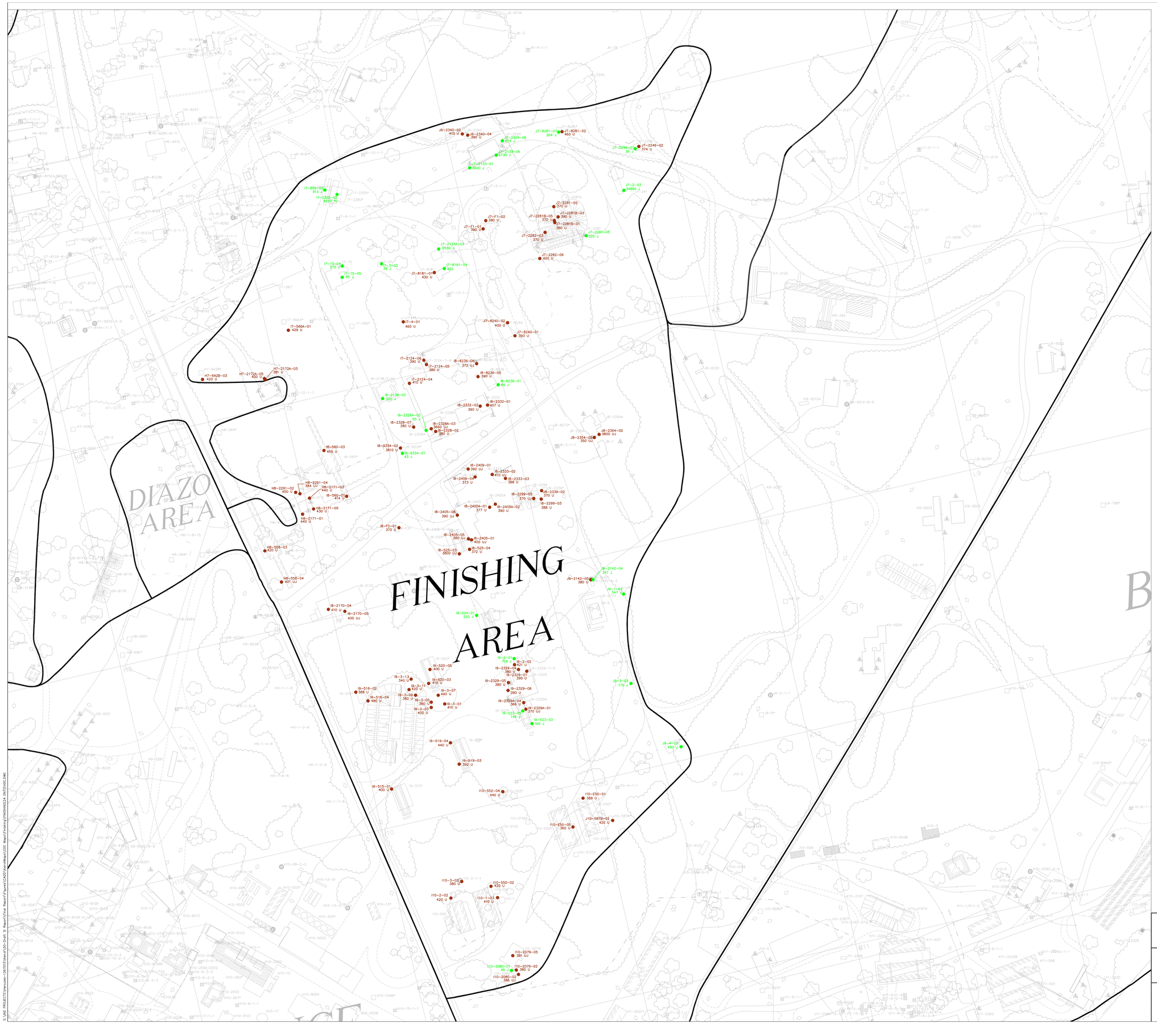
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

FINISHING AREA
2,4/2,6 - DINITROTOLUENE E&E (ug/kg)

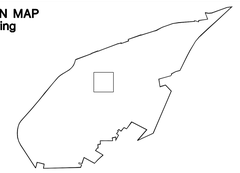
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LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
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- PROCESS GUTTER
- PROCESS PIPELINE
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north

0 20 40 80

SCALE: FEET
1"=80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

FINISHING AREA
2,4/2,6 - DINITROTOLUENE SVOC (ug/kg)

MWH

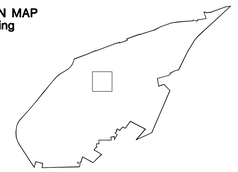
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FINISHING AREA

DIAZO AREA

LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

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5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 20 40 80
SCALE: FEET
1"=80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

FINISHING AREA
NITROGLYCERIN (ug/kg)

MWH

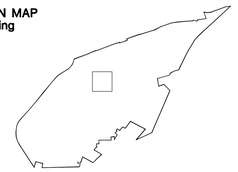
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DIAZO AREA

FINISHING AREA

LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

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north

0 20 40 80

SCALE: 1" = 80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

FINISHING AREA
ARSENIC (mg/kg)

MWH

A-70

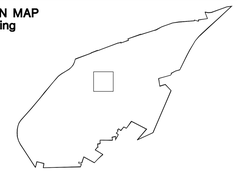
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DIAZO AREA

FINISHING AREA

B-L AR

LOCATION MAP
Finishing



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

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north
0 20 40 80
SCALE: FEET
1"=80'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

FINISHING AREA
LEAD (mg/kg)

MWH

A-71

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AN AREA

LOCATION MAP
Ammonia Nitrate



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 12.5 25 50
SCALE, FEET
1"=50'

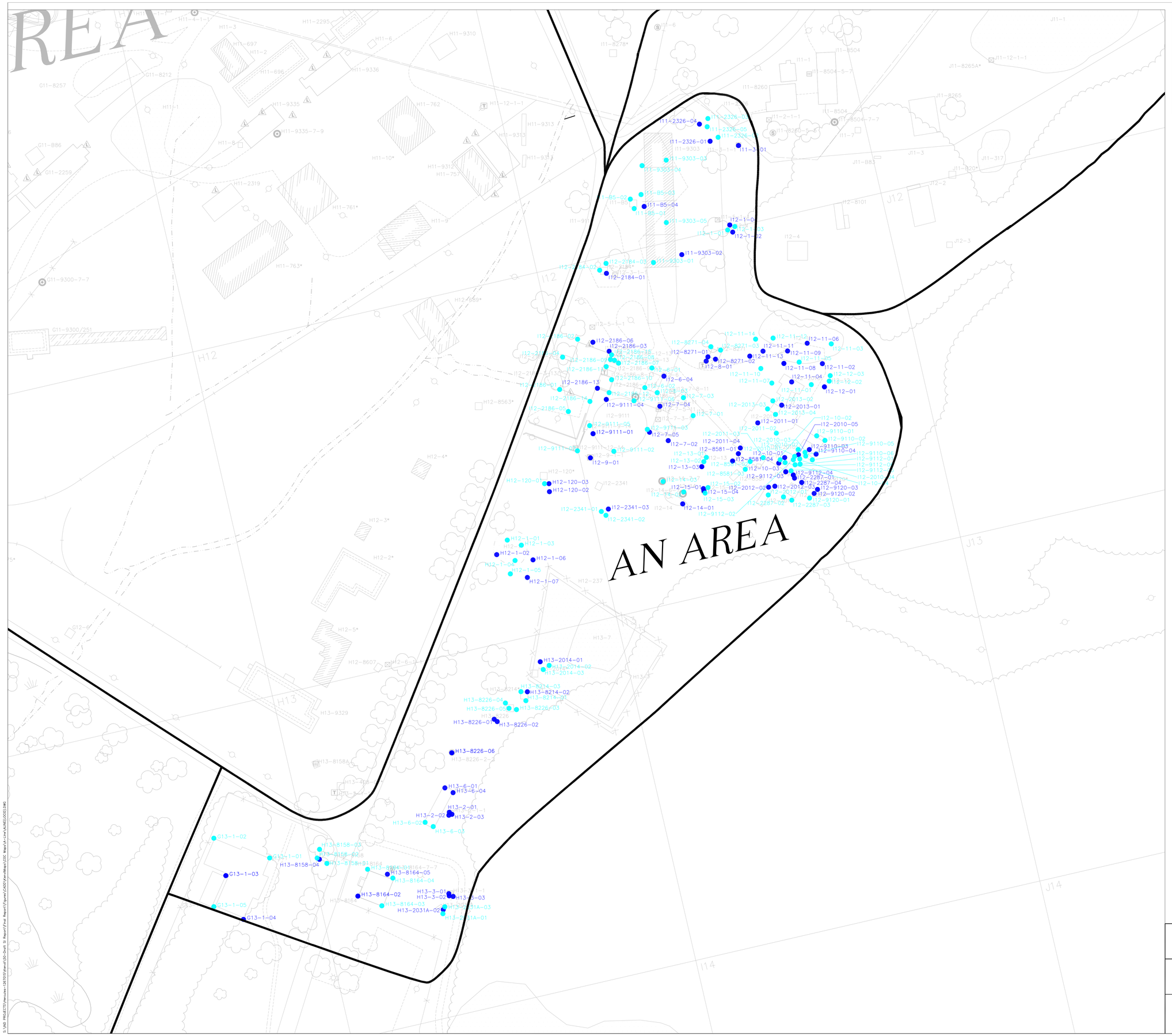
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

AMMONIA NITRATE

MWH

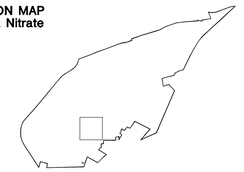
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AN AREA
I11-2326-04
I11-2326-01
I11-3-01
I11-9303-03
I11-9303-04
I11-B5-02
I11-B5-03
I11-B5-04
I11-B5-01
I11-9303-05
I12-1-04
I12-1-02
I11-9303-02
I11-9303-01
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J12-5-1-31
J12-5-1-32
J12-5-1-33
J12-5-1-34
J12-5-1-35
J12-5-1-36
J12-5-1-37
J12-5-1-38
J12-5-1-39
J12-5-1-40

AN AREA

LOCATION MAP
Ammonia Nitrate



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

SCALE: FEET
1"=40'

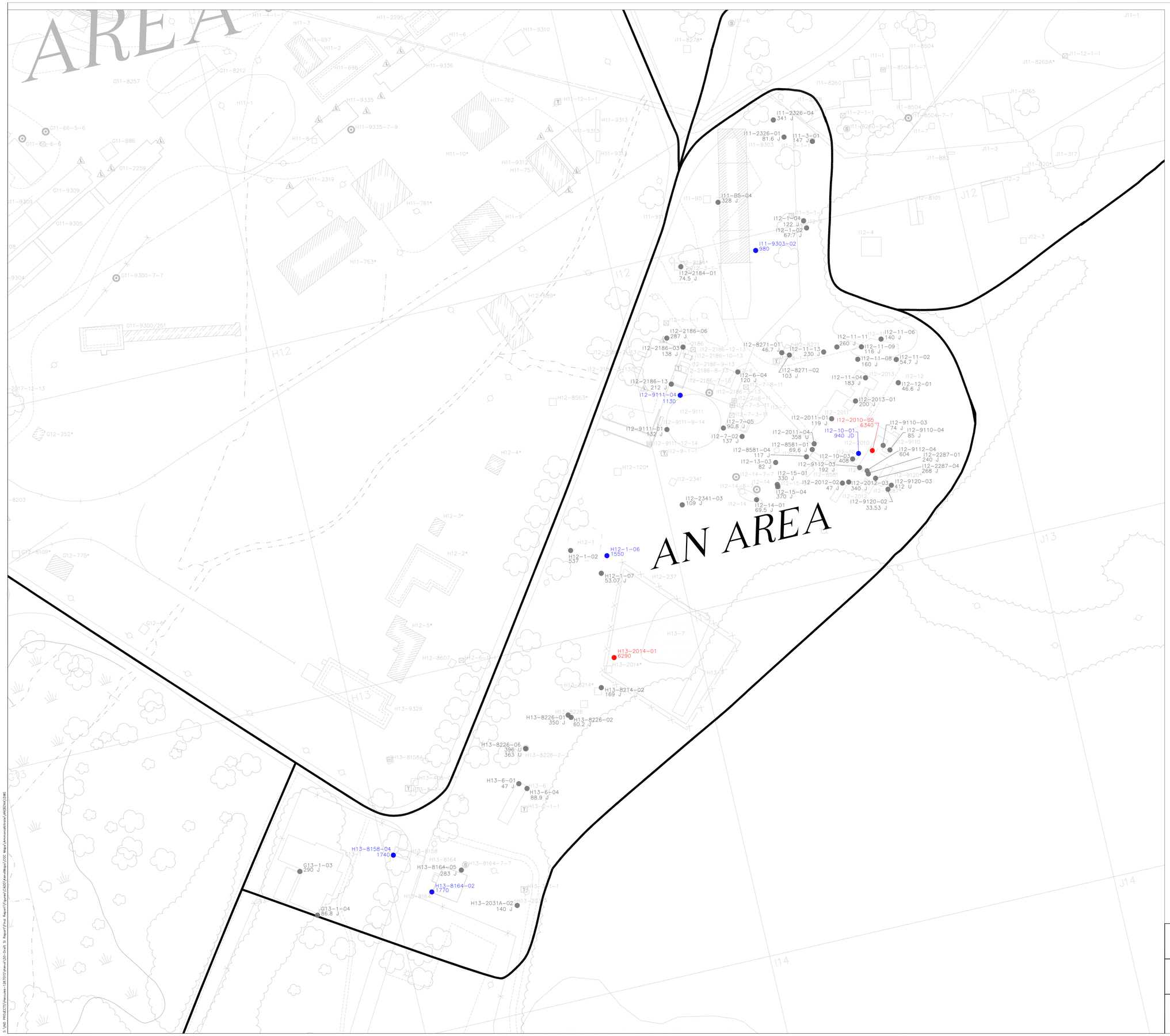
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

AMMONIA NITRATE

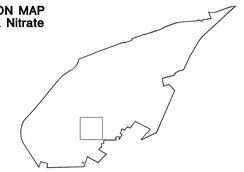
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LOCATION MAP
Ammonia Nitrate



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
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north

0 12.5 25 50
SCALE: FEET
1"=50'

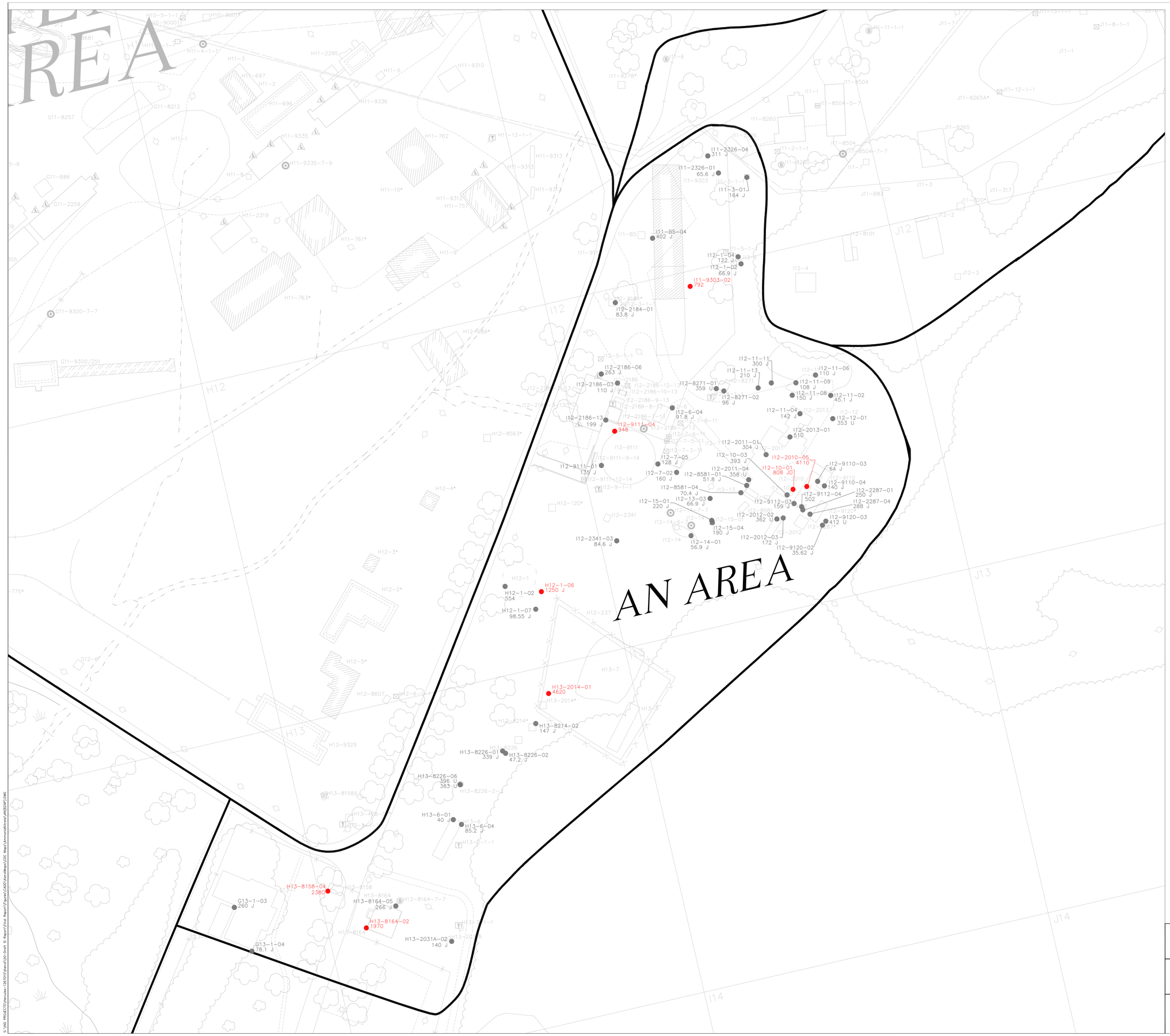
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

AMMONIA NITRATE
BENZO(A) ANTHRACENE (ug/kg)

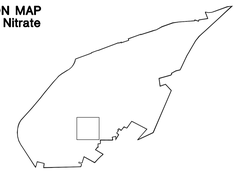
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LOCATION MAP
Ammonia Nitrate



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
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- TRANSFORMER
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- PROCESS GUTTER
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

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north

0 12.5 25 50
SCALE: FEET
1"=50'

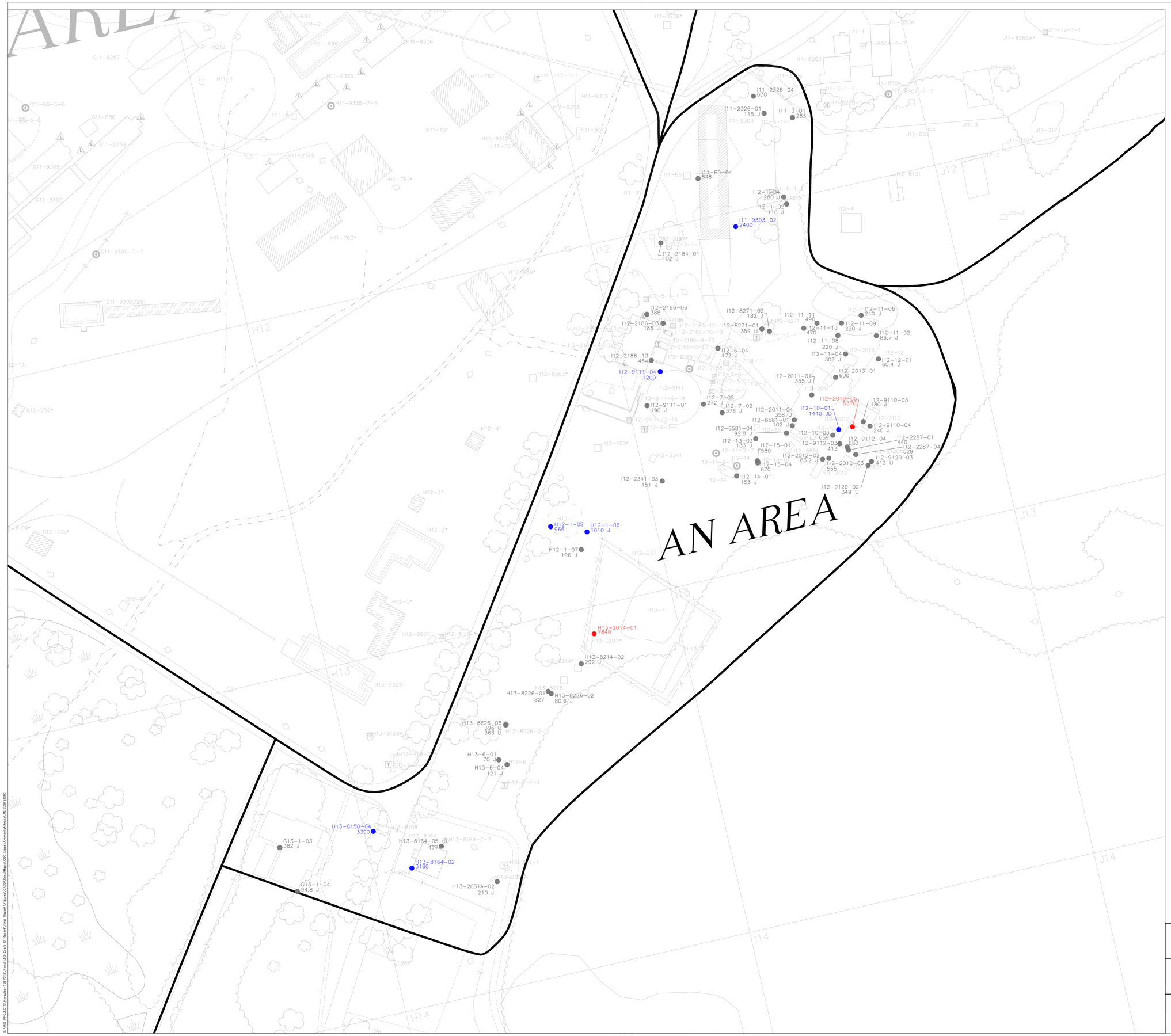
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

AMMONIA NITRATE
BENZO(A) PYRENE (ug/kg)

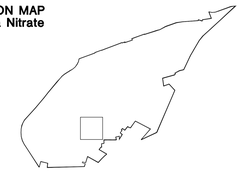
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LOCATION MAP
Ammonia Nitrate



LEGEND:

- N7-9322-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
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north
0 12.5 25 50
SCALE FEET
1"=25'

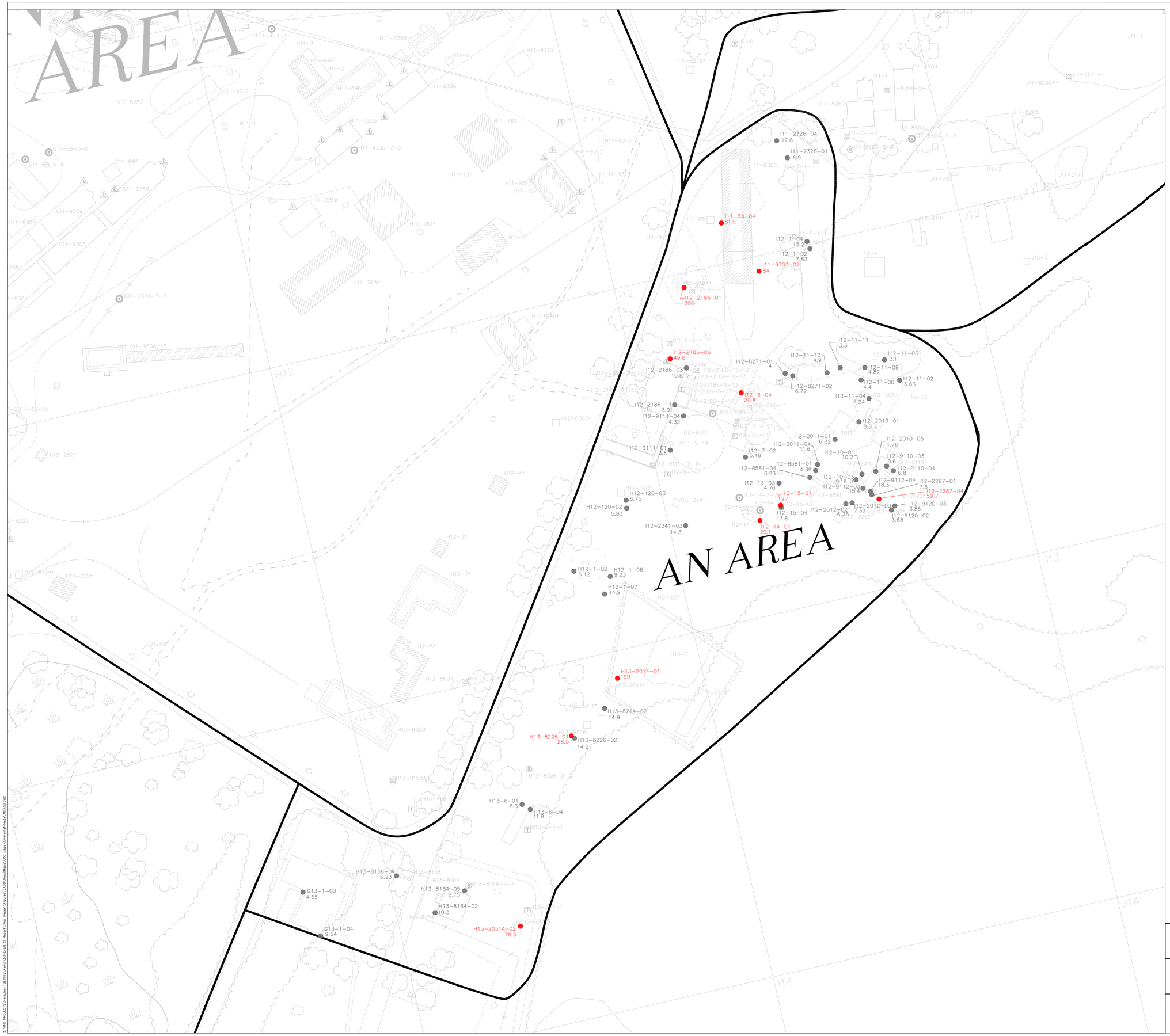
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

AMMONIA NITRATE
BENZO(B) FLUORANTHENE (ug/kg)

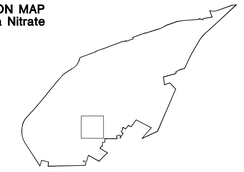
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LOCATION MAP
Ammonia Nitrate



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
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5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 12.5 25 50
SCALE: FEET
1"=50'

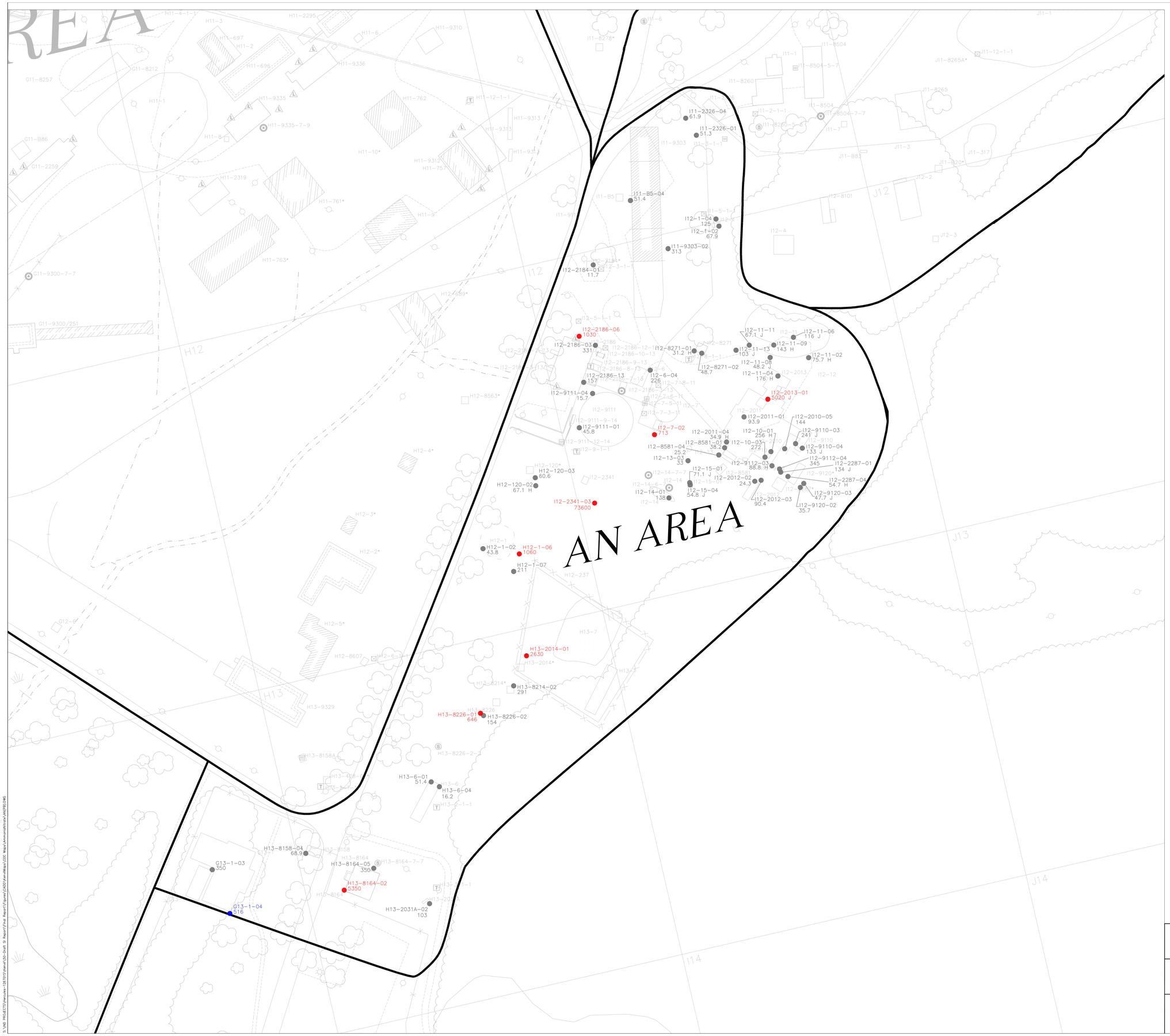
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

AMMONIA NITRATE
ARSENIC (mg/kg)

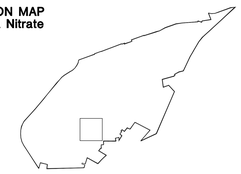
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LOCATION MAP
Ammonia Nitrate



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESOLVE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north
0 12.5 25 50
SCALE: FEET
1"=50'

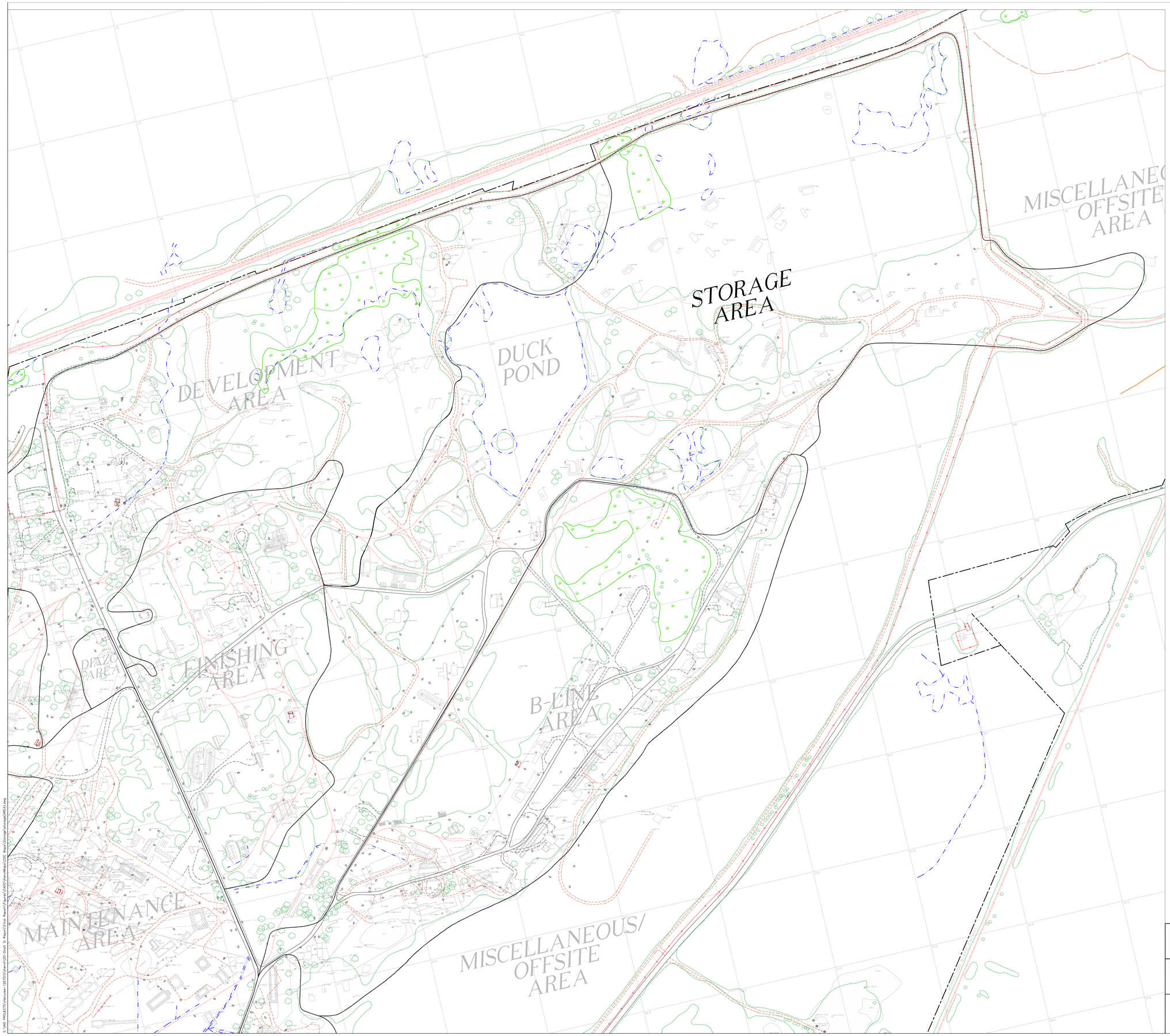
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

AMMONIA NITRATE
LEAD (mg/kg)

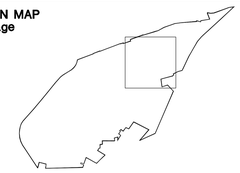
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LOCATION MAP
Storage



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

1. THESE FILES ARE IN THE NORTH AMERICAN DATUM 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM. THE TOPOGRAPHIC FILE REFERENCES THE NORTH AMERICAN VERTICAL DATUM 1988.

2. THE BOUNDARY LINE AS DELINEATED IS APPROXIMATE AND HAS BEEN DIGITIZED FROM A MAP ENTITLED "HERCULES INCORPORATED, KENVIL PLANT PROPERTY MAP, PLANT 080, ACCOUNT 9500, CLASSIFICATION 21045, FILE CODE 5WE REVISION 1" REVISED TO JUNE 11, 1970 PROVIDED BY REPRESENTATIVES OF HERCULES, INC., AND THE TAX MAP OF THE TOWNSHIP OF ROXBURY AND NOT FROM AN ACTUAL FIELD SURVEY OR WITH THE BENEFIT OF A TITLE SEARCH.

3. MISCELLANEOUS REMNANT ACTIVITY AREAS INCLUDE: DEBRIS AREAS, THERMAL OR TESTING AREAS, LANDFILLS, COAL PILES, SPRAY FIELDS, FIRING RANGES, DRUM AREAS, EARTHEN PITS, DISCHARGE AREAS, ROCK QUARRIES, BACKFILL AREAS, AND SUPPORT AREAS.

4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 45 90 180
SCALE: FEET
1" = 150'

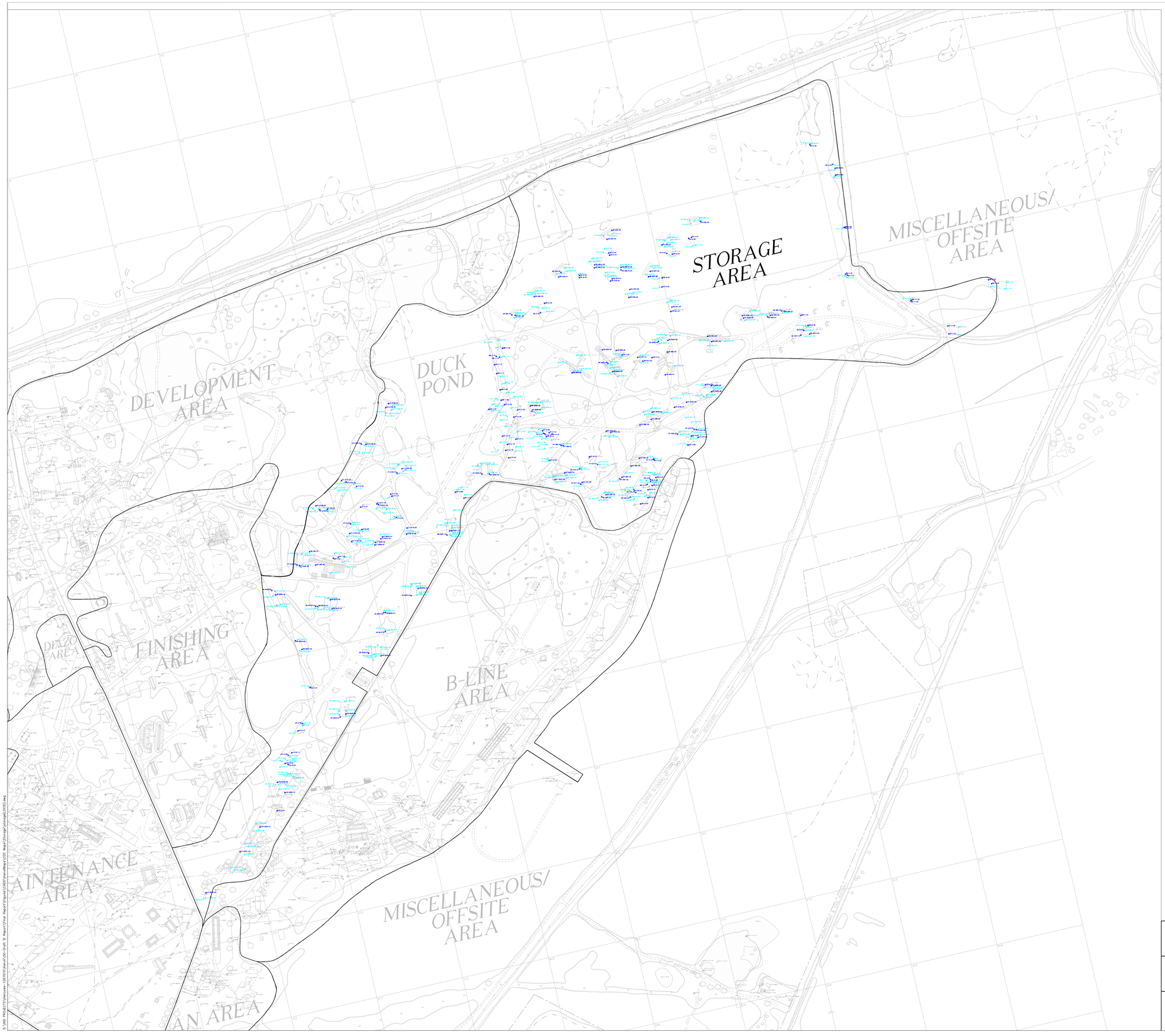
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

STORAGE AREA

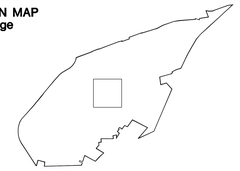
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A-80

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LOCATION MAP
Storage



LEGEND:

- N7-9222-T-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- E9-2296-05 — SCREENING SAMPLE LOCATION ID
- E9-2296-01 — ANALYTICAL SAMPLE LOCATION ID

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 50 100 200
SCALE: FEET
1"=200'

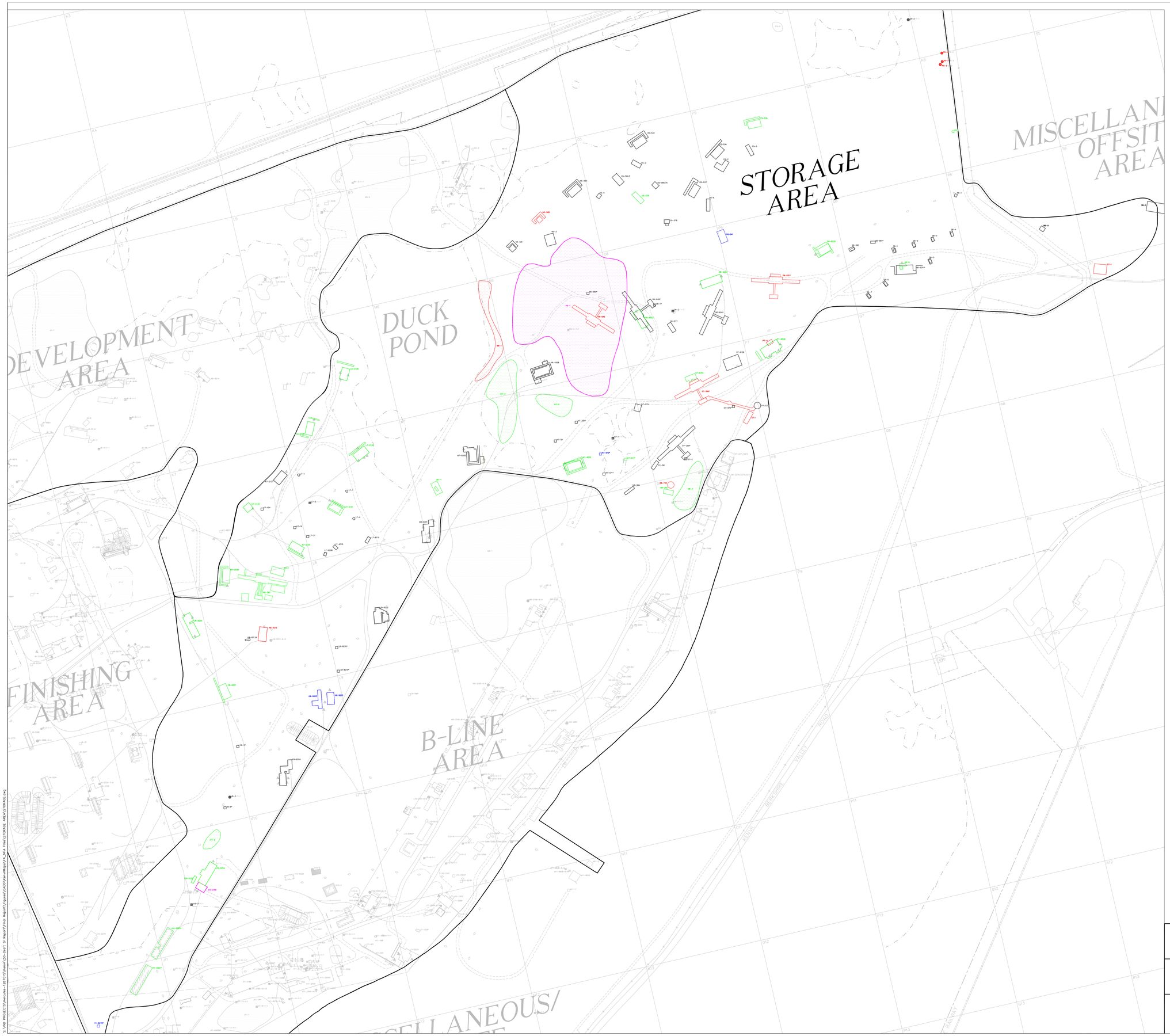
HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA SAMPLING POINT MAP

STORAGE AREA

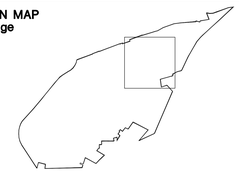
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LOCATION MAP
Storage



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
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- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- RESERVED FOR REMEDIAL INVESTIGATION

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 19607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north
0 37.5 75 150
SCALE: FEET
1"=150'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

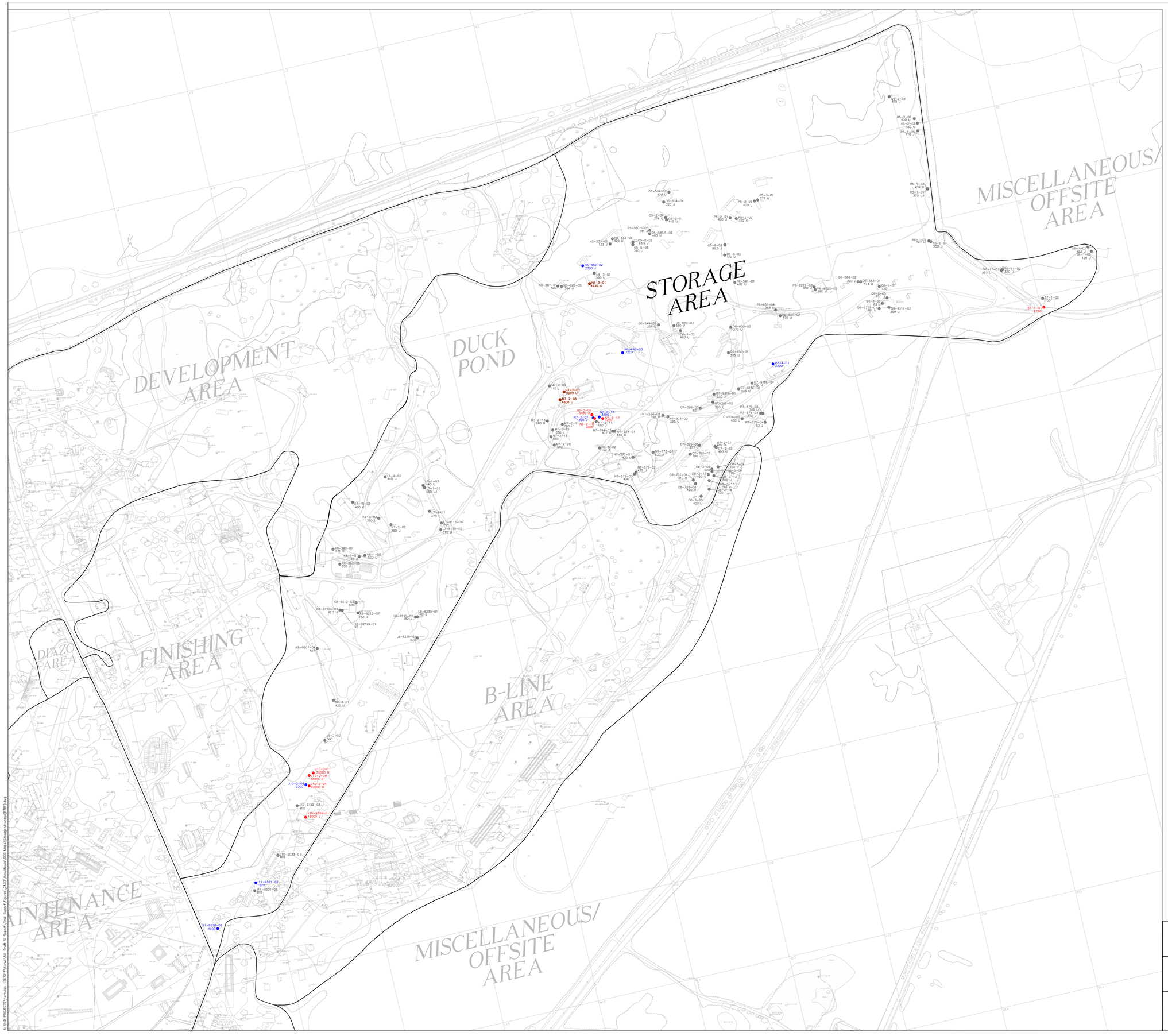
STORAGE AREA

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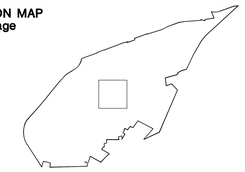
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STORAGE AREA
DUCK POND
DEVELOPMENT AREA
MISCELLANEOUS/ OFFSITE AREA
DIAZO AREA
FINISHING AREA
B-LINE AREA
MAINTENANCE AREA
NEW JERSEY TRANSIT
DELAWARE, LACKAWANNA & WESTERN RAILROAD
MORRISTOWN & ERIE MAINLINE
WATER STREET
ROAD
N5-562-02 1400 J
N5-3-03 390 J
N5-563-01 4100 U
N5-581-05 36.6 J
N5-581-06 400 U
N5-580.5-03 98.1 U
N5-580.5-02 400 U
N5-533-05 400 U
N5-533-01 85.9 J
N5-5-02 40.5 J
N5-5-03 390 U
N5-6-03 63.3 J
N5-6-02 410 U
N5-534-02 414 J
N5-534-04 180 J
N5-2-04 374 U
N5-2-01 410 U
N5-3-01 371 U
N5-3-03 400 U
P5-2-01 450 U
P5-2-03 372 U
P5-541-01 402 U
P6-225-03 410 U
P6-225-05 380 U
P6-601-04 388 U
P6-651-02 370 U
P6-1-01 440
P6-584-02 390 U
P6-584-01 374 U
P6-8-05 401 U
P6-9311-03 341 J
P6-9311-01 381 U
P7-1-02 400
P7-1-01 KB67 J
P7-575-08 386 U
P7-575-01 370 U
P7-575-04 55 J
P7-576-02 63 J
P7-615E-04 380 U
P7-615E-01 380 U
P7-9319-01 85 J
P7-394-02 350 U
P7-396-03 191 J
P7-574-02 390 U
P7-574-03 395 U
P7-2-13 1900 J
P7-2-17 1600 J
P7-2-14 88 J
P7-2-06 1800 J
P7-2-11 1900 J
P7-2-12 1600 J
P7-2-05 4800 U
P7-2-04 1900 J
P7-2-15 320 J
P7-2-18 320 J
P7-2-20 260 J
P7-384-01 440 U
P7-394-03 437 U
P7-5-02 86 J
P7-573-01 250 J
P7-572-01 400 U
P7-571-02 435 U
P7-571-03 430 U
P7-395-02 150 J
P7-2-01 401 J
P7-2-02 400 U
P7-2-03 400 U
P7-2-04 400 U
P7-2-09 400 U
P7-2-12 400 U
P7-3-15 400 U
P7-3-16 710
P7-3-18 710
P7-3-20 400 U
P7-732-01 410 U
P7-732-04 490 U
P7-3-05 490 U
P7-3-06 490 U
P7-3-07 490 U
P7-3-08 490 U
P7-3-09 490 U
P7-3-10 490 U
P7-3-11 490 U
P7-3-12 490 U
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P7-3-30 490 U
P7-3-31 490 U
P7-3-32 490 U
P7-3-33 490 U



LOCATION MAP
Storage



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- NONDETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, OR NONRESIDENTIAL DIRECT CONTACT SOIL CRITERIA

SOURCE:

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3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north

0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

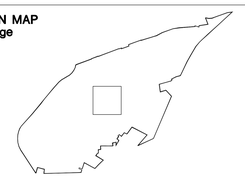
STORAGE AREA
BENZO(B) FLUORANTHENE (ug/kg)

MWH

A-84



LOCATION MAP
Storage



LEGEND:

- N7-9222-7-1 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED/NONDETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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north
0 25 50 100
SCALE: FEET
1"=100'

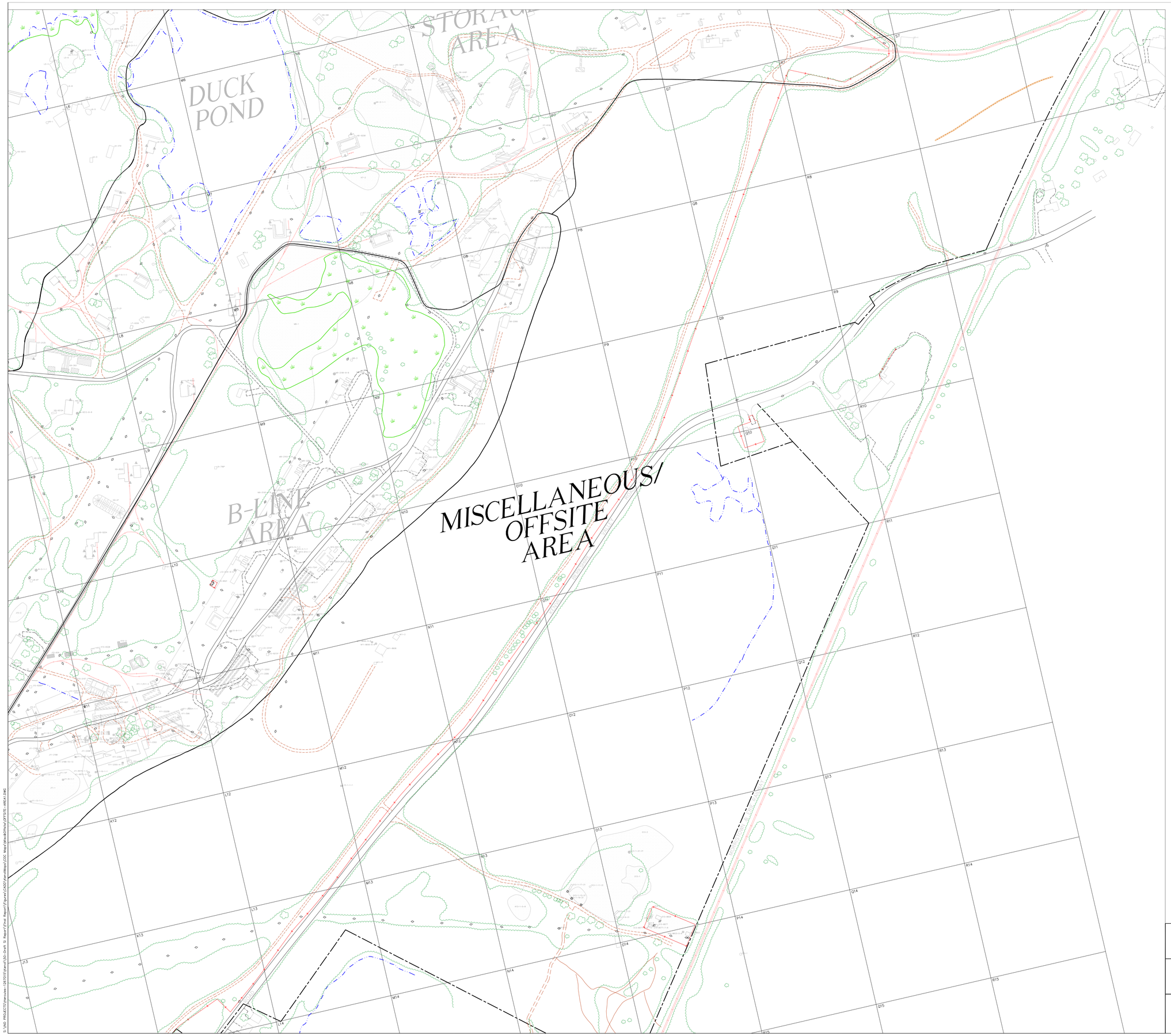
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

STORAGE AREA
ARSENIC (mg/kg)

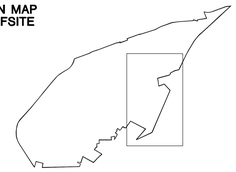
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LOCATION MAP
MISC. OFFSITE



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 37.5 75 150
SCALE: FEET
1"=150'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

MISCELLANEOUS & OFFSITE AREA MAP A

MWH

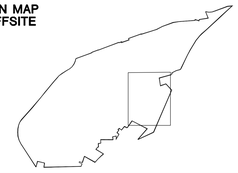
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B-LINE AREA

MISCELLANEOUS/ OFFSITE AREA

LOCATION MAP
MISC. OFFSITE



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
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north

0 25 50 100
SCALE: FEET
1"=100'

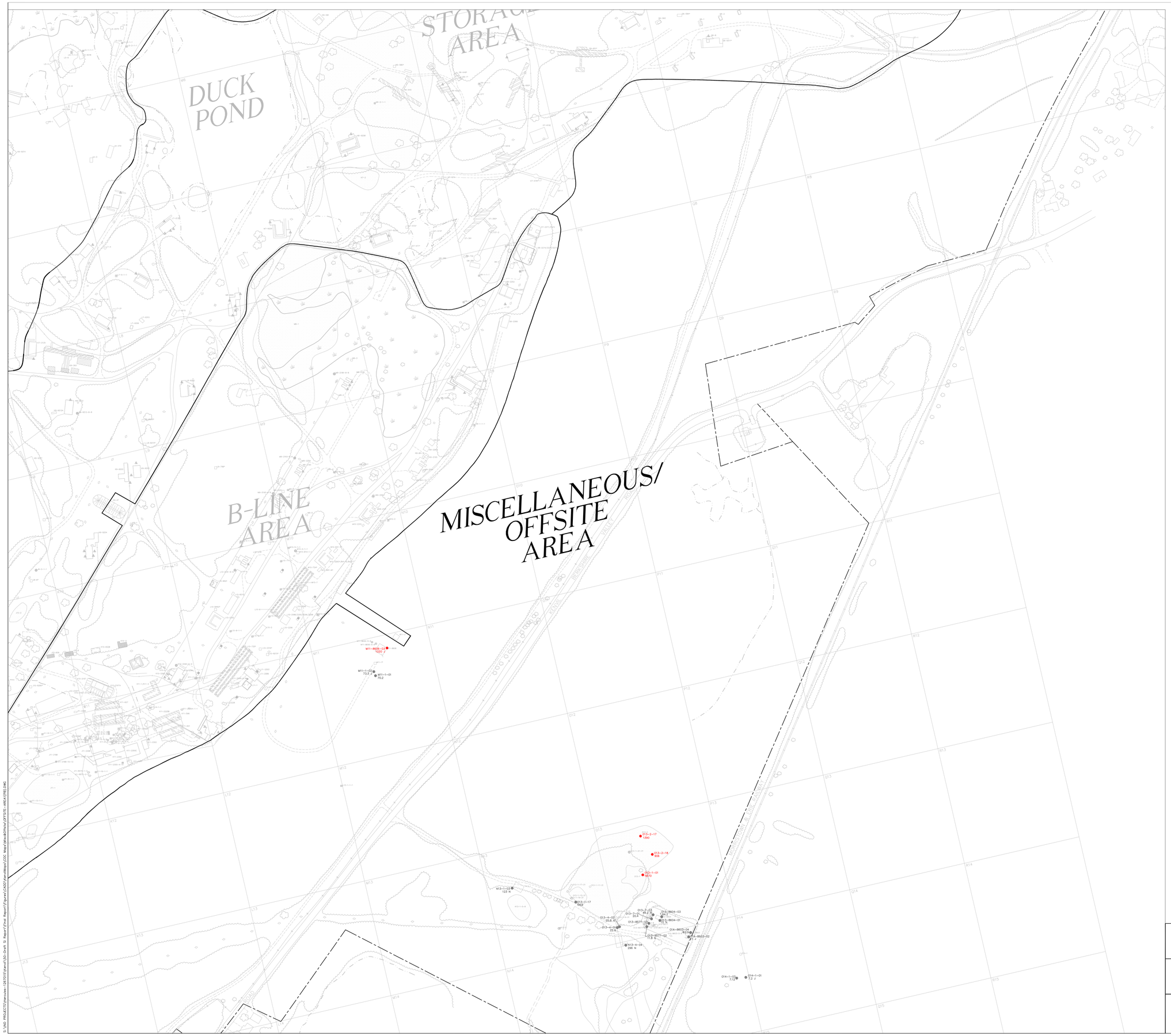
HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

MISCELLANEOUS & OFFSITE MAP A

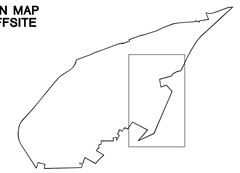
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LOCATION MAP MISC. OFFSITE



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
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- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
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north

0 37.5 75 150

SCALE: FEET 1"=150'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MISCELLANEOUS & OFFSITE AREA MAP A LEAD (mg/kg)

MWH

A-88

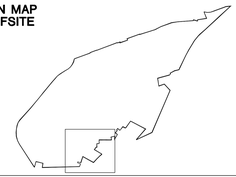
DYNAMITE AREA

MISCELLANEOUS/ OFFSITE AREA

U.S. HIGHWAY ROUTE 46

ROAD

LOCATION MAP MISC. OFFSITE



LEGEND:

- N7-9222-7-7 — FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
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- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)

SOURCE:

1. SITE RECONNAISSANCE AND GPS SURVEY CONDUCTED BY MONTGOMERY WATSON FROM MARCH TO JUNE 1998. SURVEY CONTROL PROVIDED BY PAUL J. EMILIUS JR., GEOD CORPORATION, N.J. LICENSE NO. 37186.

2. PLANIMETRIC MAP PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/18/95. GROUND CONTROL PROVIDED BY EDWARD F. SECCO P.L.S. N.J. LICENSE NO. 18607.

3. TOPOGRAPHIC FILE PREPARED BY ATLANTIS AERIAL SURVEY COMPANY, INC. FROM PHOTOGRAPHY DATED 3/25/98.

4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

NOTES:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
AREA MAP

MISCELLANEOUS & OFFSITE AREA MAP B

MWH

A-89

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DYNAMITE AREA

MISCELLANEOUS/ OFFSITE AREA

HERCULES

U.S. HIGHWAY ROUTE 46

LOCATION MAP
MISC. OFFSITE



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 3)
- DETECTED CONCENTRATION LESS THAN NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA, RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP IMPACT TO GROUNDWATER SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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4. KENVIL WORKS FACILITY SITE HISTORICAL MAPS PROVIDED BY HERCULES INC.

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

north

0 25 50 100
SCALE: FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FURTHER ACTION/NO FURTHER ACTION

MISCELLANEOUS & OFFSITE MAP B

MWH

A-90

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DYNAMITE AREA

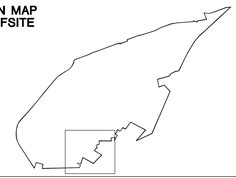
AN AREA

MISCELLANEOUS/ OFFSITE AREA

U.S. HIGHWAY ROUTE 46

ROAD

LOCATION MAP
MISC. OFFSITE



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
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- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
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- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA, AND BELOW NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
- DETECTED CONCENTRATION GREATER THAN OR EQUAL TO NJDEP NONRESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA

SOURCE:

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4. DASHED TOPOGRAPHIC CONTOURS INDICATE AREAS WHERE THE GROUND IS OBSCURED BY DENSE TREES OR SHADOWS. THESE AREAS MAY NOT CONFORM TO ACCURACY STANDARDS.

5. THE SAMPLES WERE VALIDATED IN ACCORDANCE WITH THE NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW (USEPA 1994), THE NATIONAL FUNCTIONAL GUIDELINES FOR ORGANIC DATA REVIEW (USEPA 1999) AND EXPLOSIVES RESIDUE STANDARD OPERATIONING PROCEDURE (USEPA REGION II 1994) AS APPLICABLE TO SW-846 ANALYSES.

north

0 25 50 100
SCALE FEET
1"=100'

HERCULES INCORPORATED
KENVIL WORKS FACILITY
FREQUENT EXCEEDANCE CONSTITUENT MAP

MISCELLANEOUS & OFFSITE AREA MAP B
LEAD (mg/kg)

MWH

A-91

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Appendix B
Data Validation Report

This text is a summary of items that required qualification as a result of data validation of the Kenvil data. The following acronyms are used in the text:

CCAL - continuing calibration
LCS - laboratory control sample
%D - percent difference
'U' - undetected qualification
'J' - estimated concentration
'R' - rejected qualification
MS - matrix spike
MSD - matrix spike duplicate
'UJ' - undetected at an estimated concentration
SDG - sample delivery group
PCB - polychlorinated biphenyl
TPH - total petroleum hydrocarbon
%R - percent recovery

SDG 9910038

Volatiles – NA

Semivolatiles – Spiked sample SB-013-8603-02(0-2) was qualified as estimated for 1,2,4-trichlorobenzene, pyrene and acenaphthene due to low spike recovery of these compounds. The LCS associated with this SDG was acceptable.

Pesticides/PCBs – The continuing calibration was low for AR1260, the field blank (FB-03) was qualified as estimated for AR1260.

Explosives/ Nitroglycerine – NA

TPH/TOC/NC – No qualification of the data.

Metals – Antimony was qualified as undetected, 'U' due to blank contamination in the following samples: SB-013-8603-02(0-2), SB-N13-1-03(0.8), SB-N13-4-042(0-1), SB-013-4-02(0-2), SB-013-8604-01(0-1.5), and SB-013-8577-02(0-2).

Other Comments – None.

SDG 9910009

Volatiles – All compounds in samples SB-E15-8560-01(0.5), SB-E15-8560-11(0.5), SB-E15-8560-08(0.5), and SB-E15-8560-13(0.5) were qualified as estimated, due to low surrogate recovery. Sample SB-E15-8560-06(0.5) was qualified as estimated for 1,1-dichloroethene for LCS recovery. Also, the LCS recoveries were outside limits for vinyl chloride, 1,1,1-trichloroethane and carbon tetrachloride, which led to estimated

qualification of associated samples for these compounds. The calibration %D were outside limits for chloromethane, bromomethane and methylene chloride which led to estimated qualification of all compounds for soils analyzed with the unacceptable calibration. Methylene chloride contamination in the method blanks led to 'U' qualification of this compound in all samples in the SDG.

Semivolatiles – Sample FB-01 was extracted outside holding time and was therefore qualified as estimated for all compounds. Also, n-nitroso-di-n-propylamine was qualified as estimated for all soil samples in the SDG due to low LCS recovery.

Pesticides/PCBs – Sample SB-UD-34(0-1.5)dup was qualified as estimated for all pesticides, due to spike recovery and holding times. Samples SB-UD-34(0-1.5) and SB-UD-34(0-1.5)dup were qualified as estimated for endrin aldehyde and methoxychlor, due to continuing calibration criteria.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC – Samples SB-UD-34(0-1.5) and SB-UD-34(0-1.5)dup were qualified as estimated for TPH and NC due to low MS and LCS recoveries.

Metals – Samples SB-UD-34(0-1.5) and SB-UD-34(0-1.5)dup were qualified as estimated for antimony due to low MS recovery.

Other Comments – none

SDG 9910021

Volatiles – All compounds for samples SB-E15-8560-14(0.5), SB-E15-1-15(0.8), and SB-E15-8560-17(0.5) were qualified as estimated due to the internal standard criteria exceedence. All soils in the SDG were qualified as estimated for chloromethane due to calibration criteria exceedence. Methylene chloride was qualified as 'U' in all soil samples due to method blank contamination.

Semivolatiles – No data qualification.

Pesticides/PCBs – Endrin aldehyde and methoxychlor were below the control limits in the continuing calibration, resulting in estimated qualification of all soil samples for these two compounds.

Explosives/ Nitroglycerine – No data qualification.

TPH/TOC/NC - The LCS recovery for TPH and NC were low, resulting in estimated qualification of the soil samples. Also, the MS recovery was low for NC. Data were already qualified due to the LCS, no further qualification was applied.

Metals – Low antimony recovery in the matrix spike resulted in estimated qualification of antimony in all soil samples. Antimony in the method blank resulted in 'U' qualification of antimony in samples SB-013-1-17(0-2), SB-UD-33(0-2) and SB-013-2-18(0-2).

Other Comments – Field blank sample FB-02 contained chromium (1.9 ug/L) and copper (4.9 ug/L). Field duplicate pair SB-UD-33(0-2)/dup results were acceptable with the exception of bis-2-ethylhexyl phthalate. Data was not qualified based on field precision.

SDG 9910059

Volatiles – Vinyl chloride was qualified as estimated for field blank sample FB-05 due to the LCS recovery. Methylene chloride was qualified as estimated due to the initial calibration results, and chloroethane was qualified as estimated for sample FB-05. Due to the method blank, sample FB-05 was qualified 'U' for methylene chloride.

Semivolatiles – Field blank sample FB-05, and all soils in the SDG were qualified as estimated for 2,4-dinitrophenol due to the initial calibration result of this compound. Hexachlorocyclopentadiene was qualified as estimated for field blank FB-05 due to the continuing calibration recovery.

Pesticides/PCBs –NA

Explosives/ Nitroglycerine – NA

TPH/TOC/NC – The field duplicate precision was high for the TOC analysis of field pair SB-H13-3-19(0.8)/dup. Data was not qualified based on field duplicate results.

Metals – Antimony was qualified as estimated for all soil samples in the SDG due to low MS and LCS recovery. All soils were qualified with a 'J' or 'UJ' for lead due to the laboratory duplicate sample precision results. Field blank sample FB-05 was qualified as undetected for zinc for associated blank contamination. The field blank was used to qualify 'U' the following field soils, where the concentrations of the field samples were less than five times the field blank result: silver in sample SB-H14-3-03(0-1) and copper for samples SB-G14-1-02(0-2), SB-H13-3-19(0-0.8), SB-H14-3-03(0-1), SB-G14-2-05(0-1), SB-H13-3-19(0.8)dup, SB-J14-2-03(0-1.8) and SB-H13-2-03(0-0.8).

Other Comments – none.

SDG 9910062

Volatiles – All samples were qualified for methylene chloride with a 'U' due to blank contamination. All compounds were qualified as estimated for sample SB-E15-8560-24(6) due to low surrogate recovery. Methylene chloride in sample FB-04 was qualified as estimated due to the initial calibration results. The laboratory provided a reintegrated

calibration for chloromethane. The compound exceeded the percent difference, which resulted in the estimated qualification of chloromethane for SB-D16-1-01(6).

Semivolatiles – The reporting limits for samples SB-D16-1-02(0-0.8) and SB-D16-1-02(0-0.8)dup were reported ten times higher because the samples could not be fully extracted. Sample SB-E15-8560-18(0-2) was qualified as estimated for acenaphthene due to low MS recovery. Sample SB-D16-2-01(0-0.8) was qualified as estimated for indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene due to the continuing calibration criteria. Samples SB-E15-8560-21(0-1.5), SB-E15-8560-22(0-2), SB-E15-8560-22(0-2)DUP, SB-E15-8560-23(0-1.5), SB-E15-8560-24(0-1.5), SB-E15-8560-25(0-1.2), SB-E15-8560-27(0-1.4), SB-D16-1-02(0-0.8), SB-D16-2-01(0-0.8) and SB-D16-3-05(0-2) were qualified as estimated for hexachlorobenzene, 4,6-dinitro-2-methylphenol and indeno(1,2,3-cd)pyrene due to the CCAL recovery of these compound.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – NA

TPH/TOC/NC – no data qualification.

Metals – Cadmium in samples SB-D16-2-01(0-0.8) and SB-D16-2-01(0-0.8)dup was qualified as undetected due to blank contamination. Antimony in all soil samples was qualified as estimated due to low MS and LCS recovery. The lead precision criteria was not met for the laboratory duplicate, resulting in estimated qualification of lead for all soil samples.

Other Comments – Field blank sample FB-04 contained chromium at 0.81 ug/L and copper at 2.4 ug/L.

SDG 9910070

Volatiles – The initial calibration criteria for chloromethane and methylene chloride were not met, therefore, both samples in the SDG were qualified as estimated for these compounds. Methylene chloride was qualified as 'U' for both samples in the SDG due to associated blank contamination.

Semivolatiles – Compounds associated with internal standards that were outside the control limits were qualified as estimated if above the reporting limit, this included samples SB-E16-8561-03(0-0.8), SB-E16-8561-03(0-0.8)dup and SB-M11-8606-03(0-1).

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – NA

TPH/TOC/NC - No qualification of data.

Metals – Samples SB-Q06-1-0(0-2) and SB-M11-1-02(0-0.5) were qualified as 'U' for cadmium due to blank contamination. All antimony results were qualified as estimated due to low LCS and MS recoveries. Laboratory duplicate precision was not met for lead, thus, all lead results were qualified as estimated. Serial dilution results were outside control limits for zinc; all zinc results were qualified as estimated.

Other Comments – Field duplicate results for mercury were outside precision limits. Data were not qualified based on duplicate data.

SDG 9910099/9910086

Volatiles – Vinyl chloride was qualified as estimated for sample FB-05 due to the low LCS recovery. Chloromethane, bromomethane and methylene chloride were qualified as estimated in all soil samples due to the initial calibration results of these compounds. Methylene chloride was qualified as 'U' for all samples due to blank contamination.

Semivolatiles – All compounds for sample SB-C10-440-02(0-2) were qualified as estimated due to surrogate recovery. The internal standards for sample SB-B13-8-04(0-2) were outside control limits, resulting in estimated qualification of compounds associated with the internal standards. The 2,4-dinitrophenol was qualified as estimated in sample SB-C10-440-02(0-2) as a result of the initial calibration for this compound.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Several samples were qualified as estimated for 2-amino-4,6-dinitrotoluene due to a high LCS recovery for this compound. Several detected compounds were also qualified as estimated in several samples because of a high %D on the two columns used to quantify and confirm the detection of the explosive compounds.

TPH/TOC/NC – Low MS recovery resulted in estimated qualification of nitrocellulose for sample SB-B13-682-04(0-1.33).

Metals – Copper was qualified 'U' in field blank sample FB-05 due to blank contamination. Antimony was qualified as estimated in sample SB-B13-724-05(0-2)dup due to low recovery of the analyte in the MS. The LCS for antimony was acceptable.

Other Comments – Precision in field duplicate pair SB-B13-757-04(0-2) was not met for arsenic, beryllium, lead and selenium. Data were not qualified based on field duplicate results.

SDG 9910125

Volatiles – NA

Semivolatiles – N-nitroso-di-n-proplylamine and 1,4-dichlorobenzene were qualified as estimated for sample SB-A13-1-01(0-2) due to low MS recovery. Compounds associated

with unacceptable internal standard results were qualified as estimated for sample SB-B11-513-02(0-2).

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – All compounds were qualified as estimated for sample SB-A12-8-05(0-2) due to the surrogate recovery. Samples SB-A12-7-03(0-1), SB-A12-7-03(0-1), SB-A13-1-01(0-2), SB-B12-237-01(0-1.5), and SB-B11-513-05(0-1) were qualified as estimated for 2-amino-4,6-dinitrotoluene due to the LCS. There were several compounds in several samples that were qualified as estimated due to the percent difference for detected results between the two analytical columns being exceeded. All samples in the SDG were qualified as estimated for 2,4,6-trinitrotoluene due to low MS and MSD recoveries.

TPH/TOC/NC - Sample SB-A13-1-01(0-2) was qualified as estimated for nitrocellulose for low MS and MSD recoveries.

Metals – All samples in the SDG were qualified as estimated for antimony for low MS recovery. All samples were qualified as estimated for lead because of laboratory duplicate precision.

Other Comments – none.

SDG 9910157

Volatiles – NA

Semivolatiles – Internal standard recoveries were below limits for samples SB-F12-8206-03(0-1) and SB-C12-274-05(0-1) which resulted in estimated qualification of associated compounds which are quantified from the unacceptable internal standards.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-C12-274-05(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the percent difference between the primary and secondary column greater than 25%.

TPH/TOC/NC – No qualification.

Metals – Antimony in sample SB-F12-8206-03(0-1) was qualified as ‘U’ due to blank contamination. Antimony was also qualified as estimated in all soil samples in the SDG for low MS recovery and low LCS recovery.

Other Comments – Field blank FB-10 had copper (2.6 ug/L), lead (1.5 ug/L) and selenium (2.7 ug/L). Field data were not qualified based on field blank results because the field sample concentrations were above five times the field blank concentrations.

SDG 9910174

Volatiles – NA

Semivolatiles – The surrogate criteria was exceeded for sample SB-D12-2073-03(0-2) for the original analysis. The laboratory re-extracted and analyzed the sample outside of the holding time. In the LIMS report, the original sample results are provided. All compounds for the sample were qualified as estimated due to surrogate recovery. Internal standards were outside control criteria for samples SB-D12-289-03(0-1.25), SB-D12-289-03(0-1.25)DL, and SB-D12-2073-03(0-2). Compound associated with the unacceptable internal standards were qualified as estimated. The initial calibration for 2,4-dinitrophenol for the aqueous matrix was exceeded, resulting in 'UJ' qualification of the compound for FB-11.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Several detected results for samples SB-D14-667-03(0-2), SB-D14-667-03(0-2)DUP and SB-D12-289-03(0-1.25) were qualified as estimated since the percent difference between the primary column result and the secondary column result was greater than 25%. The result form for sample SB-D14-667-03(0-2)DUP was incorrect. The laboratory was contacted and a revised form was submitted with revisions for 2,4,6-TNT, 2-amino-4,6-DNT and 4-amino-2,6-DNT.

TPH/TOC/NC – No qualification of data.

Metals – Cadmium for sample SB-D12-208D-03(0-2) was qualified as undetected due to blank contamination. All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision results.

Other Comments – Field blank FB-11 contained copper at 1.9 ug/L. Field duplicate precision for pair SB-D14-667-03(0-2)/DUP was not met for copper and lead. Field samples were not qualified based on duplicate results.

SDG 9910100/9910109

Volatiles – NA

Semivolatiles – One internal standard for sample SB-B13-2-01(0-3) had a low recovery. Compounds in this sample that was associated with the internal standard were qualified as estimated.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The laboratory control sample result for 2-amino-4-6-dinitrotoluene was below the control limit which resulted in estimated qualification of

this compound for samples SB-B10-503-06(0-2), SB-B10-656-02(0-1.5), and SB-B13-2-01(0-3). There were a few soil samples in which the detected results from the primary and secondary column differed in concentration by greater than 25%. These compounds were qualified as estimated. One sample, SB-B13-2-01(0-3) was qualified as rejected for 4-amino-2,6-dinitrotoluene due to the percent difference exceeding 90%. All soils in the SDG were qualified as estimated due to zero recovery of 2-amino-4,6-dinitrotoluene.

TPH/TOC/NC – No data qualification.

Metals – No data qualification.

Other Comments – Field blank FB-06 contained chromium (1.1 ug/L), copper (2.5 ug/L) and lead (6.6 ug/L).

SDG 9910128

Volatiles – Trip blank TB-03 was not written on the chain of custody documentation but was requested for analysis for VOCs per the MW project manager. Dibromochloromethane, 1,1,1-trichloroethane were qualified as estimated in samples FB-07 and TB-03 due to the LCS results. Chloromethane was qualified as estimated in all soil samples due to the initial calibration results. All samples in the SDG were qualified as undetected for methylene chloride due to the blank.

Semivolatiles – Methylene chloride in sample FB-07 was qualified as 'U' due to blank contamination. Sample FB-07 was re-extracted outside the holding time. The laboratory provided the original analysis in the LIMS report. Acenaphthene in sample SB-B10-20-01(0-1) was reported as BQL whereas the raw data indicated the result is 43 J ug/Kg. The laboratory was contacted and a new results form was submitted by the laboratory. The laboratory noted that the EDD for this result was correct. Sample SB-B9-02-05(0-2) was qualified as estimated for n-nitrosodimethylamine, phenol, isophorone, 1,2-diphenylhydrazine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the continuing calibration for this sample exceeding the acceptance criteria.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Several compounds for samples SB-B12-450-03(0-2) and Sb-B11-663-04(0-1) were qualified as estimated due to a percent difference between the primary and secondary column being greater than 25%. Also, 4-amino-2,6-dinitrotoluene and 2,4-dinitrotoluene for sample SB-B11-663-04(0-1) were qualified as estimated due to MS recovery.

TPH/TOC/NC - No data qualification.

Metals – Field blank FB-07 was not written on the chain of custody documentation but was requested for analysis for metals per the MW project manager. Antimony was

qualified as 'U' in samples SB-A13-4-01(0-1), SB-B10-3-03(0-2) and SB-B10-4-01(0-2) due to blank contamination. Antimony was also qualified as estimated in all samples in the SDG due to low matrix spike and LCS recoveries. All mercury results for soil samples were qualified as estimated due to the laboratory duplicate results.

Other Comments – Field blank FB-07 also contained copper at 2.6 ug/L. Field duplicate precision was met for pair SB-B10-20-01(0-1) with the exception of nickel and lead. Field samples are not qualified based on field duplicate results.

SDG 9910187

Volatiles – NA

Semivolatiles – Results for sample SB-E12-2860-05(0-2) were corrected and resubmitted by the laboratory. The results were originally submitted as BQL for several compounds on page 2 of the result form, whereas, there were several compounds detected. The laboratory project manager noted that he would resubmit the EDD for this sample. Also, the sample ID was incorrect for sample SB-E12-286D-05(0-2), which was originally submitted as E13 on the raw data form

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No data qualification.

TPH/TOC/NC – No data qualification.

Metals – Antimony in samples SB-E13-325-02(0-2) and SB-E11-12-04(0-2) were qualified as undetected due to blank contamination. Antimony MS and LCS recoveries were very low, therefore, antimony was qualified as estimated for all samples in the SDG.

Other Comments – Field blank sample FB-12 contained zinc at 8.1 ug/L. Associated field data were not qualified for zinc since the levels contained in the field samples was significantly higher than in the field blank.

SDG 9911012

Volatiles – NA

Semivolatiles – Sample SB-F12-2075-05(0-2) was qualified as estimated for pyrene since the MS recovery for pyrene was above the control limits. The sample ID for SB-F12-2075-05(0-2) was reported as SB-F12-2075-03(0-2) on the Form I. The LIMS form was correct. The laboratory provided corrected Form Is for this sample. The laboratory noted that the EDD did not need to be corrected since the LIMS form was correctly reported. Benzidine was slightly high for the CCAL which resulted in 'UJ' qualification of benzidine for samples SB-F12-2075-05(0-2), SB-F12-2075-03(0-0.5), SB-

D11-B232-07(0-2), SB-C13-2-14(0-2) and SB-C13-2-10(0-2).

Pesticides/PCBs – AR1260 was qualified as estimated for all soil samples because of the continuing calibration criteria.

Explosives/ Nitroglycerine – No data qualification.

TPH/TOC/NC – Samples SB-C13-2-10(0-2) and SB-C13-2-14(0-2) were qualified as estimated for nitrocellulose due to the holding time exceeding 28 days.

Metals – Samples SB-C13-2-10(0-2) and SB-F12-2075-03(0-0.5) were qualified as 'U' for selenium and samples SB-F12-2075-03(0-0.5) and SB-D11-B232-07(0-2) were qualified as 'U' for cadmium due to blank contamination. All soil samples in the SDG were qualified as estimated for antimony due to MS recovery. All soil samples were qualified as estimated for nickel due to the laboratory duplicate precision exceedance.

Other Comments – Field blank FB-16 contained nitrocellulose (0.172 mg/L) and copper (3.3 ug/L).

SDG 9910197

Volatiles – NA

Semivolatiles – Sample SB-D12-282A-05(0-2) was qualified as estimated for 1,2,4-trichlorobenzene, 4-chloro-3-methylnaphthalene, acenaphthene, 2,4-dinitrotoluene and pyrene.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-D12-282A-05(0-2) was qualified as rejected 'R' for 1,3-dinitrobenzene due to the percent difference between the primary and secondary columns being greater than 90%. Also, sample SB-D12-282A-05(0-2) was qualified as estimated for 2,4-dinitrobenzene for a percent difference greater than 25% but less than 90%.

TPH/TOC/NC – No data qualification.

Metals – Cadmium was qualified a undetected in samples SB-D12-1-02(0-2), SB-E14-668-03(0-2), SB-D12-282A-05(0-2), SB-D11-7-01(0-2), and SB-D12-1-02(0-2)DUP because of method blank contamination. Sample FB-14 was qualified as 'U' for copper and silver. Antimony, arsenic, copper and zinc were qualified as estimated for sample SB-D12-282A-05(0-2) due to low matrix spike recovery. All soil samples were qualified as estimated for arsenic and lead due to the laboratory duplicate precision.

Other Comments – Field blank FB-14 contained zinc (15.3 ug/L). The precision for field duplicate pair SB-D12-1-02(0-2)/DUP was not met for arsenic, lead and selenium.

SDG 9911032

Volatiles – NA

Semivolatiles – Phenol, 2-chlorophenol, n-nitroso-di-n-propylamine, 4-chloro-3-methylphenol, 2,4-dinitrotoluene, acenaphthene and 4-nitrophenol were qualified as estimated for sample SB-E10-2-03(0-2). Detected results for samples SB-F12-R1-01(0-2)RE, SB-E11-2064-01(0-2), SB-E11-2064-01(0-2)DUP were qualified as estimated due to internal standard recovery. Sample 9911032-02A (SB-F12-2221-05(0-1) reported acenaphthylene as BQL but the raw data indicates this sample was detected at 110 J ug/Kg. This correction was made manually by the data validator with a note on the result form for the MW data entry personnel. This data package has already been revised once by the laboratory and this item was not included in the original revision.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-F12-2221-06(0-2), SB-E11-2064-05(0-2), SB-E11-2064(0-2)DUP, and SB-E11-R12-03(0-2) were qualified as estimated for all compounds due to the surrogate recoveries. The re-extracted results were also considered estimated for all results the above samples since the holding times were exceeded for the re-extraction. Only the original results were reported on the LIMS forms. Sample SB-E11-2064-05(0-2) was qualified as estimated for LCS recovery. Sample SB-E13-2040-07(0-2) was qualified as estimated for HMX, and sample SB-E11-2064-01(0-2) was qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene due to the percent difference between the primary and secondary columns exceeding 25%. Sample 9911032-17 was originally reported as 5000 ug/Kg for NG. This value was corrected and resubmitted by the laboratory as 6000 ug/Kg. Since the result was resubmitted as a LIMs form, the EDD should also reflect this change.

TPH/TOC/NC - No data qualification.

Metals – Cadmium for samples SB-F12-2221-04(0-2), SB-E13-2040-07(0-2), SB-E13-2040-04(0-2), SB-E11-2064-01(0-2), SB-E11-2064-01(0-2)DUP, SB-E10-2-03(0-2), SB-E12-9317-04(0-2), SB-E11-R2-03(0-2) were qualified as undetected due to blank contamination. Copper was qualified as 'U' for field blank sample FB-15 due to the preparation blank also containing copper. All soil samples in the SDG were qualified as estimated for antimony due to low matrix spike recovery. All soil samples were qualified as estimated for zinc due to the serial dilution results.

Other Comments – Di-n-butylphthalate, fluoranthene, pyrene, arsenic, copper, lead and zinc precision criteria were not met for field pair SB-E11-2064-01(0-2)/DUP. Field data were not qualified as a result of field duplicate precision.

SDG 9909149/150

Volatiles – NA

Semivolatiles – No data qualification.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-E11-2-03(0-1.5) was originally analyzed and reported as BQL for nitroglycerin. The reanalysis of this sample was 22,714. The LIMS form reported BQL. The laboratory was contacted and resubmitted the LIMS form for this sample with the NG being reported as 22,714.3 ug/Kg. Sample SB-E11-2-03(0-1.5) was qualified as estimated for explosive compounds due to low surrogate recovery and missed holding time for the re-extraction of the sample. Sample SB-C12-275-02(0-2) was qualified as estimated for 2,4-dinitrotoluene due to an elevated surrogate recovery. Sample SB-C12-275-02(0-2) was qualified as estimated for 2,4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene and 2,4-dinitrotoluene, and sample SB-C12-275-02(0-2)DUP was qualified as estimated for 2,4-dinitrotoluene due to the percent difference between the primary and secondary column exceeding the requirements.

TPH/TOC/NC - No qualification of data.

Metals – Several samples were qualified as 'U' for cadmium and selenium due to blank contamination. Antimony was qualified as 'U for all samples in the SDG due to the LCS and matrix spike recoveries. The laboratory precision criteria were not met, which resulted in estimated qualification of lead for all samples in the SDG.

Other Comments – Field duplicate precision was not met for chromium for pair SB-E11-8228-02(0-2)/DUP, zinc and lead for pair SB-C12-275-02(0-2)/DUP. Field blank FB-09 contained chromium (1.1 ug/L), copper (3.2 ug/L). Field blank FB-08 contained silver (1.0 ug/L), copper (2.5 ug/L) and lead (1.7 ug/L). Data were not qualified based on field duplicate or field blank results. The field blank concentrations were not sufficiently elevated to use to qualify data.

SDG 9911044

Volatiles – NA

Semivolatiles – Sample SB-C13-1-17(0-2)MS/MSD was qualified as estimated for 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol, acenaphthene, 2,4-dinitrotoluene, and pyrene.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-D13-264B-03(0-2) and SB-B13-262A-05(0-2) were qualified as estimated for 2,4-dinitrotoluene due to high LCS recovery of this compound and for the percent difference between the primary and secondary columns

being greater than 25%. The reporting limits for sample SB-F13-8209-03(0-1)DUP were originally reported as 250/500, the correct values are 200/400. The laboratory was contacted and the LIMS form was revised and resubmitted.

TPH/TOC/NC – Sample SB-C13-1-17(0-2) and the MS/MSD fraction were both reported. Since both samples were analyzed, they are a field duplicate pair. The precision comparison for the NC analysis exceeds the control criteria. These samples were qualified for NC due to low matrix spike and LCS recoveries.

Metals – Cadmium and silver for several samples were qualified as 'U' due to blank contamination. Antimony for all soil samples in the SDG were qualified as estimated due to the low MS and LCS recoveries. Selenium was qualified in samples SB-C13-1-17(0-2) and SB-C13-1-17(0-2)MS/MSD for matrix spike recovery.

Other Comments – For this SDG, both the original sample, SB-C13-1-17(0-2) and the spike SB-C13-1-17(0-2)MS/MSD were reported for metals, TOC and explosives. Only the MSD sample was reported on the LIMS forms for the SVOC analysis. Field blank FB-19 contained chromium (25.7 ug/L) and copper (2.4 ug/L).

SDG 9911037

Volatiles – NA

Semivolatiles –

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-C13-282B-03(0-2) was qualified as estimated for 2,4-dinitrotoluene, and sample FB-18 was qualified as estimated for 2,4,6-trinitrotoluene due to the percent difference between the two analytical columns exceeding the Region II criteria.

TPH/TOC/NC – No data qualification.

Metals – Several samples were qualified as 'U' for antimony and cadmium as a results of blank contamination. Sample FB-18 was qualified as 'U' for silver due to the associated blank containing silver. Antimony was qualified as estimated for several samples due to the matrix spike recovery and slightly low LCS recovery. Arsenic in sample SB-F13-1-01(0-2) was qualified as estimated due to the elevated matrix spike recovery of this analyte.

Other Comments – Field blank FB-18 contained copper at 2.0 ug/L. **Nitroso-di-methylamine was not analyzed or reported for sample FB-18 as noted in the laboratory narrative.**

SDG 9911066

Volatiles – NA

Semivolatiles – Pyrene for samples SB-D13-265A-06(0-2), SB-D13-264A-05(0-2), SB-C13-133-05(0-2), SB-D12-209B-06(0-2) was qualified as estimated due to the LCS recovery. Sample FB-21 was qualified as estimated for 3,3'-dichlorobenzidine, di-n-octylphthalate, and benzidine, due to the CCAL percent difference. All soil samples in the SDG except for sample SB-C14-1-05(0-2) were qualified as estimated for hexachlorocyclopentadiene and 1,2-diphenylhydrazine due to the CCAL percent difference.

Pesticides/PCBs – AR1260 was qualified as estimated for sample SB-E11-8-01(0-2) since the continuing calibration verification criteria were not met.

Explosives/ Nitroglycerine – Sample SB-E10-1-05(0-2) was qualified as estimated for 2,4-dinitrotoluene due to the LCS recovery of this compound.

TPH/TOC/NC - No qualification of data.

Metals – Cadmium was qualified as 'U' in samples SB-C13-3-02(0-2), SB-C13-1-05(0-2), SB-C13-133-05(0-2), SB-D11-208A-01(0-2), SB-D11-218C-03(0-2), SB-D12-3-04(0-2), SB-E10-11-13(0-2), SB-E10-1-05(0-2) due to the method blank. Antimony, chromium, copper, selenium and zinc were qualified as estimated in sample SB-C14-1-05(0-2). All soil samples in the SDG were qualified as estimated for copper and mercury as a result of the laboratory duplicate precision. Also, chromium and nickel were qualified as estimated in FB-21 for the field duplicate precision.

Other Comments – Field blank FB-21 contained arsenic (2.6 ug/L) and copper (4.7 ug/L). Field duplicate precision was not met for arsenic, lead and zinc.

SDG 9910188

Volatiles – NA

Semivolatiles – The surrogate recoveries for sample SB-D14-6-01(0-2) were outside control limits in the original analysis. The laboratory re-extracted and reanalyzed the sample outside the holding time (>2x the HT). The laboratory provided the re-extracted data in their LIMs report and subsequently in their EDD. Upon request, the laboratory revised and submitted the original sample data, which was subsequently qualified as estimated for surrogate recovery. The re-extracted data is considered unusable and the laboratory was contacted and requested to provide the original analysis for this sample. Since the surrogate recoveries were exceeded. Field blank sample FB-13 was analyzed outside the holding time, which resulted in estimated qualification of this sample for all compounds. Hexachlorocyclopentadiene and hexachlorobenzene for sample FB-13, and

4-nitrophenol and benzidine for samples SB-E13-2074-01(0-2), SB-E13-2074A-01(0-2) and SB-D14-204B-04(0-2) were qualified as estimated due to the CCAL.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – All 8330 compounds for sample SB-E13-2074A-01(0-2) were qualified as estimated due to surrogate recovery. Sample SB-E13-2074-01(0-2) was qualified as estimated for 2,4,6-trinitrotoluene and 4-amino-2,6-dinitrotoluene, due to the percent difference between the primary and secondary column exceeded the criteria set forth in the Region II SOP. A 'U' qualification was applied to the following: sample SB-E13-2074-01(0-2) for RDX; SB-E13-2074A-01(0-2)for 2,4,6-trinitrotoluene and SB-D14-204B-01(0-2) for HMX, due to the percent difference as described above. Sample SB-E13-2074A-01(0-2) was qualified as estimated for nitrobenzene, and SB-D14-204B-04(0-2), due to the percent difference. Sample SB-E13-2074-09(0-2) was originally reported as BQL for NG, whereas the data package indicates this sample was detected at 4800 J. The laboratory was contacted and resubmitted with the suggested revision.

TPH/TOC/NC – No qualification of data.

Metals – Cadmium in sample SB-D14-6-01(0-2), and antimony in sample SB-E13-2074-06(0-2) were qualified as 'U' due to blank contamination.

Other Comments – none.

SDG 9911068

Volatiles – NA

Semivolatiles – Samples SB-C14-2-03(0-2), SB-C14-2-03(0-2)RE, SB-C14-125-01(0-2), , SB-C14-125-01(0-2)RE, SB-B14-3-05(0-2) and SB-B14-3-05(0-2)RE were qualified as estimated for all compounds due to the surrogate recovery. Samples SB-D14-120-04(0-2) and SB-D14-120-04(0-2)MS/MSD were qualified as estimated for acenapthene due to the LCS and spike recovery of this compound. Several internal standards were outside acceptance limits for several samples. Since these samples were already qualified as estimated due to the surrogate recoveries, further qualification was not necessary. One additional sample, SB-B14-128-02(0-2) was qualified as estimated for compounds associated with the internal standards that were out of complicance. Benzidine was qualified as estimated in field blank sample FB-20 due to the CCAL. Benzidine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benz(g,h,i)perylene were qualified as estimated in samples SB-B12-422-06(0-2), SB-D14-129-05(0-2), SB-D14-120-04(0-2), SB-C14-121-0(0-2), SB-C14-125-01(0-2), SB-B14-128-02(0-2) and SB-B14-3-05(0-2) due to the CCAL. Samples SB-D13-268-01(0-2), SB-D14-360-03(0-2), SB-C14-4-01(0-2), and SB-C14-2-03(0-2) were qualified as estimated for 1,2-diphenylhydrazine due to the CCAL. Samples SB-D13-3-04(0-2), SB-D14-129-05(0-2), and SB-D14-120-04(0-2) were qualified as estimated for n-nitrosodiphenlyamine, 2,2'oxybis(1-chloropropane),

hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol due to the CCAL.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample FB-20 was qualified as estimated for all 8330 compounds due to the sample being re-extracted outside of the holding time. Sample SB-D13-3-04(0-2) was qualified as estimated for 4-amino-2,6-dinitrotoluene due to the percent difference between the two instrument columns exceeding the Region II criteria.

TPH/TOC/NC – No qualification of data.

Metals –The laboratory reported the spike sample designation instead of the original sample for SB-D14-120-02(0-2). Several samples were qualified as 'U' for cadmium due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike recovery and a slightly low LCS recovery. Field blank FB-20 was qualified as estimated for mercury, chromium and nickel due to the laboratory duplicate precision.

Other Comments – The laboratory submitted the LIMs result form for the spike sample, SB-D14-120-04(0-2)MS/MSD in addition to the unspiked sample. Typically the only sample reported on the LIMs forms are the original samples. Matrix spikes are generally only reported on the spike form and used for QC purposes. Field blank FB-20 contained chromium (0.7 ug/L) and copper (3.3 ug/L). Field duplicate precision for pair SB-D14-129-05(0-2)/DUP was exceeded for mercury.

SDG 9911126

Volatiles – NA

Semivolatiles – Benzidine in sample SB-C11-7-02(0-1) was qualified as estimated due to the CCAL associated with this sample. The holding time for the dilution of sample SB-D10-2041-03(0-1) was exceeded, which resulted in estimated qualification of fluoranthene, pyrene and benzo(b)fluoranthene since they were the only compounds reported from the diluted sample analysis. Several samples were qualified with a 'U' for di-n-butylphthalate due to blank contamination. There were several samples in the SDG that had concentrations of di-n-butylphthalate that exceeded the blank criteria and thus could not be qualified. Methylene chloride in sample SB-D10-2230-03(0-0.5) was qualified as estimated due surrogate recovery. Several samples were qualified as estimated for compounds n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), pyrene, butylbenzylphthalate, 3,3'-dichlorobenzidine, bis(2-ethylhexyl) phthalate, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the 12/31/99 CCAL. Also, several samples were qualified as estimated for butylbenzylphthalate, bis(2-ethylhexyl) phthalate and di-n-octylphthalate due to the 1/4/00 CCAL.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Sample SB-C11-7-02(0-1) was qualified as estimated for 2-amino-4,6-dinitrotoluene due to the LCS recovery. The sample was also qualified as estimated for 1,3,5-trinitrobenzene due to the percent difference between the two instrument columns exceeding 25%, which is a requirement in the Region II SOP.

TPH/TOC/NC – No qualification of data.

Metals – The chain of custody specified sample SB-D10-N4-01(0-1) for the matrix spike and duplicate. The laboratory analyzed sample SB-D10-2041-05(0-1) instead. Several samples were qualified with a 'U' for antimony, selenium and cadmium due to blank contamination. Mercury in sample Sb-D10-6-02(0-1) was qualified as estimated due to the matrix spike recovery of this analyte. Antimony was qualified as estimate in all soil samples in the SDG due to the matrix spike recovery and slightly low LCS recovery.

Other Comments – Field duplicate precision was not met for copper and lead for pair SB-E10-2031C-01(0-1), and for arsenic, lead and zinc for pair SB-E10-8277-01(0-1)/DUP. Data are not qualified based on field duplicate results.

SDG 9911085

Volatiles – NA

Semivolatiles – All compounds in sample SB-C11-18-02(0-2) were qualified as estimated due to surrogate recovery. This sample was re-extracted outside the holding time due to poor matrix spike recovery. The re-extracted results were acceptable. N-nitroso-di-n-propylamine was qualified as estimated in sample SB-C11-18-02(0-2) due to the matrix spike recovery. Benzidine in FB-22 was qualified as estimated due to the CCAL recovery. Also, all soil samples in the SDG were qualified as estimated for indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC – No qualification of data.

Metals – Selenium in sample SB-C11-18-02(0-2) and copper and zinc in field blank FB-22 were qualified as 'U' due to blank contamination. Selenium and antimony in sample SB-B11-2044C-01(0-2) were qualified as estimated due to matrix spike recovery. Mercury in all soil samples was qualified as estimated due to the laboratory duplicate precision.

Other Comments – none.

SDG 9911197

Volatiles – NA

Semivolatiles – Field blank FB-22 was extracted one day outside the holding time. All compounds in the sample were qualified as estimated. Additionally, the surrogate recovery for the sample was also outside of the control limits, however, no further qualification was made since the sample had been previously qualified due to the holding time. N-nitroso-di-n-propylamine was qualified as estimated in all soil samples due to the LCS recovery of the compound. Benzo(g,h,i)perylene was qualified as estimated in sample SB-E10-4-03(0-0.75) due to the initial calibration of this compound. Bis(2-chloroethyl)ether and 2,2'-oxybis(1-chloropropane) were qualified in several samples due to the 1/2/00 CCAL recovery. N-nitroso-di-n-methylamine, bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol and di-n-octylphthalate were qualified in sample SB-D10-4-03(0-0.75) due to the 1/3/00 CCAL. Bis(2-ethylhexyl)pthalate was qualified as 'U' in sample FB-28 due to blank contamination.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-E10-4-04(0-0.75) was qualified as estimated for 2,4-dinitrotoluene for LCS recovery and percent difference between the instrument columns, and with an 'R' for 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene for percent difference between the instrument columns.

TPH/TOC/NC – No qualification of data.

Metals – Cadmium was qualified as 'U' in sample SB-E10-5-06(0-1) and selenium for sample SB-E10-4-03(0-0.75) due to blank contamination. Mercury, antimony and zinc were qualified as estimated in all soil samples in the SDG due to the laboratory duplicate precision.

Other Comments – none.

SDG 9911241

Volatiles – NA

Semivolatiles – Samples SB-B10-2178-03(0-1) and SB-C10-13-01(0-1.5) was qualified as estimated for all compounds due to the surrogate recovery. Phenanthrene and bis(2-ethylhexyl)phthalate were qualified as estimated in sample SB-D10-2233-04(0-1.5) due to the surrogate recovery for the diluted sample results. Phenol, 2-chlorophenol, 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, 4-nitrophenol and acenaphthene were qualified as estimated in sample SB-C10-2179-03(0-0.5) due the matrix spike recovery.

All soil samples in the SDG were qualified as estimated for n-nitroso-di-n-propylamine due to the LCS recovery. Compounds associated with various internal standards for samples SB-D10-2233D-03(0-2), SB-D9-8279-01(0-1), SB-D10-16-03(0-1), SB-D10-9119-01(0-1), SB-C10-13-01(0-1.5), SB-C10-13-01(0-1.5)DUP, SB-D10-16-03(0-1) and SB-D10-9119-01(0-1) that were outside acceptance criteria were qualified as estimated. Sample FB-30 was qualified as estimated for bis(2-chloroethyl)ether and 2,2'oxybis(1-chloropropane) due to the CCAL. Samples associated with the 1/12/00 calibration were qualified as estimated for n-nitroso-di-n-methylamine, phenol, hexachlorocyclopentadiene, 2,4-dinitrophenol, di-n-butylphthalate and fluoranthene due to the recoveries of these compounds.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-B10-2178-05(0-1) and SB-B10-2178-05(0-1)DUP were qualified as estimated for 2,4-dinitrotoluene due to a holding time exceedence. Sample FB-30 was qualified as estimated for all compounds due to the holding time. Compound 2,4-dinitrotoluene was qualified as estimated due to the LCS recovery, for samples SB-D10-04-02(0-0.5), SB-B10-2178-03(0-1), SB-B10-2178-05(0-1), SB-B10-2178-05(0-1)DUP, SB-B10-511-03(0-2), and SB-C10-2176-01(0-1.5). Samples SB-D10-4-02(0-0.5) and SB-B10-2178-03(0-1) were qualified as estimated for 2,4-dinitrotoluene, and sample SB-A12-7-04(0-2) for 4-amino-2,6-dinitrotoluene, due to the percent difference between the results from the two analytical columns. Nitrobenzene, 2,4-dinitrotoluene and 1,3,5-trinitrobenzene were qualified as estimated for sample SB-B10-2178-05(0-1) for column percent difference. Sample SB-B10-2178-05(0-1) was also qualified as 'R' for 4-amino-2,6-dinitrotoluene and 2-nitrotoluene due to column percent difference. Sample SB-B10-2178-05(0-1)DUP was qualified as estimated for 2,4-dinitrotoluene, 2-nitrotoluene, 4-nitrotoluene, 1,3,5-trinitrobenzene and 2,4,6-trinitrobenzene due to the column percent difference, and was qualified with an 'R' for 4-amino-2,6-dinitrotoluene. Sample SB-B10-511-03(0-2) was qualified as estimated for 2-amino-4,6-dinitrotoluene, 1,3,5-trinitrobenzene, 1,3-dinitrobenzene and 2,4-dinitrotoluene due to the column percent difference and as 'R' for 4-amino-2,6-dinitrotoluene. Sample SB-C10-2176-01(0-1.5) was qualified as estimated for 1,3,5-trinitrobenzene and 2,4-dinitrotoluene due to the column percent difference and as 'R' for 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene. All samples in the SDG were qualified as estimated for nitroglycerine due to holding times. Also, the soils were qualified as estimated for PETN due to the missed extraction holding time.

TPH/TOC/NC - No qualification of data.

Metals – The following samples were qualified with a 'U' for the following method blank contaminants: silver for SB-C10-13-01(0-1.5), SB-C10-13-01(0-1.5)DUP, SB-B10-2178-05(0-1)DUP, SB-C10-2179-03(0-0.5) and FB-30; antimony for SB-D10-16-03(0-1), SB-D10-9119-01(0-1), SB-C10-2176-02(0-1), SB-B10-511-03(0-2) and SB-C10-2179-03(0-0.5); and cadmium for SB-D9-8279-01(0-1). Sample SB-C10-2179-03(0-0.5) was qualified as estimated for antimony and zinc. Field blank FB-30 was used to qualify

samples SB-D10-2233D-03(0-2), SB-D10-2233B-03(0-1), SB-C10-13-01(0-1.5) for copper, and SB-D10-241B-03(0-1.5) and SB-D10-2233B-03(0-1) for zinc.

Other Comments – Field duplicate precision criteria were not met for arsenic, copper and antimony for pair SB-C10-13-01(0-1.5)/DUP and for copper, nickel and zinc for pair SB-B10-2178-05(0-1). Field data are not qualified based on field duplicate results.

SDG 9911225

Volatiles – NA

Semivolatiles – Benzidine was qualified as estimated in samples SB-D9-2-04(0-1)DUP, SB-D10-2228-01(0-1), SB-D10-2231-03(0-1), SB-C11-1-04(0-1)DUP, SB-C11-1-04(0-1), and SB-C11-1-09(0-0.75) due to the continuing calibration recovery. All compounds in samples SB-B10-7-10(0-1) and SB-B10-7-02(0-1) were qualified as estimated due to surrogate recovery. Acenaphthene was qualified as estimated in samples SB-C11-9-04(0-0.5), SB-C11-1-17(0-1) and SB-C11-1-09(0-0.75) due to the LCS recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-C10-241A-03(0-0.5), SB-C10-241A-03(0-0.5)RE, SB-E10-2169-03(0-1), SB-D10-2233C-01(0-1), SB-D9-2-04(0-1)DUPRE, SB-D10-2228-01(0-1)RE, SB-C11-1-04(0-1)RE, SB-C11-1-04(0-1)DUPRE, SB-B10-7-01(0-1), SB-B10-7-02(0-1) and SB-D10-2231-03(0-1). Naphthalene was qualified as estimated in samples SB-C11-1-17(0-1) and SB-C11-9-04(0-0.5) due to the initial calibration recovery for this compound. Hexachloroethane, bis(2-chloroethyl)ether, 4-nitrophenol and 3,3'dichlorobenzidine were qualified as estimated in sample SB-E10-2169A-01(0-1) and SB-C10-241A-03(0-0.5) due to the initial calibration. Also, butylbenzylphthalate, 4-nitrophenol, bis(2-ethylhexyl)phthalate and di-n-octylphthalate were qualified as estimated in samples SB-E10-2169-03(0-1) and SB-D10-2233C-01(0-1). Field blank FB-29 was qualified as estimated for bis(2-chloroethoxy)ether, 2,2'oxybis(1-chloropropane), n-nitroso-di-methylamine, 2,4-dinitrophenol, 4,6-dinitro-2-methylamine, pentachlorophenol, di-n-octylphthalate and benzidine due to the initial calibration.

Pesticides/PCBs – Samples SB-B11-3-01(0-1.5) and SB-C10-1-01(0-1) were qualified as estimated for AR1016 due to the continuing calibration recovery for this aroclor.

Explosives/ Nitroglycerine – Samples SB-C11-1-05(0-1.5), SB-B10-7-02(0-1) and SB-B10-7-10(0-1) were qualified as estimated for nitroglycerine due to surrogate recovery. Sample SB-C11-1-05(0-1.5) was qualified as 'R' for 2-amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene due to the column percent difference.

TPH/TOC/NC - No qualification of data.

Metals – Samples SB-D10-2233E-02(0-1), SB-C11-9-04(0-0.5), SB-D9-2-04(0-1), SB-D9-2-04(0-1)DUP, and SB-B10-7-10(0-1) were qualified as 'U' for cadmium, and samples), SB-D9-2-04(0-1)DUP, SB-D10-2233A-01(0-2), SB-B10-7-02(0-1), SB-B10-7-10(0-1), SB-C11-1-09(0-0.75), SB-C11-1-04(0-1)DUP, and SB-C11-1-04(0-1) were

qualified as 'U' for antimony due to the associated blank. Antimony and selenium were qualified as estimated for sample SB-D10-2233A-01(0-2) due to the matrix spike recovery of these analytes. All soil samples in the SDG were qualified as estimated for beryllium.

Other Comments - Arsenic precision was not met for pair SB-C11-1-04(0-1)/DUP.

SDG 9911242

Volatiles – Methylene chloride was qualified as 'U' for all samples in the SDG and naphthalene was qualified as 'U' for sample SB-C10-2-04(0.5) due to blank contamination. Acrolein, vinyl chloride, bromomethane and trichloroethene were qualified as estimated in all soils in the SDG due to the continuing calibration recovery for these compounds. Samples TB and FB-31 were qualified as estimated for 1,1,2,2-tetrachloroethene and chloroethane due to the continuing calibration recovery for these compounds.

Semivolatiles – Sample SB-C10-2-04(0-1) was qualified as estimated for all compounds due to the surrogate recovery. Sample SB-G9-8182-05(0-1) was qualified as estimated for acenaphthene due to the matrix spike recovery of this compound. Compounds associated with specific internal standards for samples SB-G10-9100-01(0-0.5), SB-G10-2-03(0-1), SB-C10-2-07(0-1.67), SB-C10-3-02(0-1), SB-G9-8182-05(0-1), and SB-C10-2-04(0-1) were qualified as estimated due to the recovery of the internal standards. Field blank FB-31 was qualified as estimated for bis(2-chloroethoxy)ether and 2,2'oxybis(1-chloropropane) due to the initial calibration results. Sample SB-G10-9100-01(0-0.5) was qualified as estimated for naphthalene due to the initial calibration results. All soil samples in the SDG were given an estimated qualifier for various compounds, because of continuing calibration results.

Pesticides/PCBs – AR1016 was qualified as estimated in all samples in the SDG due to the continuing calibration recovery.

Explosives/ Nitroglycerine – Sample SB-C10-3-02(0-1) was qualified as estimated for 2-amino-4,6-dinitrotoluene due to the LCS recovery and with an 'R' for 4-amino-2,6-dinitrotoluene, nitrobenzene, 2,4-dinitrotoluene and 2-amino-4,6-dinitrotoluene due to the column percent difference. The laboratory noted in the case narrative that 2,4-dinitrotoluene and 2,6-dinitrotoluene co-elute and are therefore reported as 2,4-dinitrotoluene.

TPH/TOC/NC - No qualification of data.

Metals – Selenium was qualified as 'U' due to blank contamination in samples SB-C10-8204-05(0-0.5), SB-C10-2-05(0-1), SB-C10-2-07(0-1.67), SB-C10-2-07(0-1.67)DUP, SB-C10-3-02(0-1), SB-E10-2314-02(0-2), SB-G9-8182-05(0-1), SB-G10-108B-0(0-2), and SB-G10-108B-05(0-0.5). Sample SB-G9-8182-05(0-1) was qualified as estimated for antimony, cadmium, copper and zinc due to the matrix spike recovery. All soils in

the SDG were qualified as estimated for copper and silver due to the laboratory duplicate precision results. Field duplicate precision was not met for pair SB-C10-2-07(0-1.67). Data are not qualified based on field duplicate results.

Other Comments – Field blank FB-31 contained chromium (0.79 ug/L), copper (2.4 ug/L) and zinc (8.3 ug/L).

SDG 9912015

Volatiles – NA

Semivolatiles – Bis(2-ethylhexyl)phthalate was qualified as estimated in sample FB-33 due to blank contamination. All compounds in samples SB-G10-2009-03(0-1), SB-D10-164B-01(0-1), and SB-G10-8224-03(0-1) were qualified as estimated due to poor surrogate recovery. Sample FB-33 was qualified as estimated for 4-nitrophenol due to the CCAL. Also, for samples analyzed on 1/21/00, 2,4-dinitrophenol, di-n-octylphthalate were qualified as estimated due to the CCAL recovery. For samples analyzed on 1/23/00,

2,2'-oxybis(1-chloropropane), hexachlorobutadiene, 4-nitrophenol and 4,6-dinitro-2-methylphenol were qualified as estimated due to the CCAL recovery.

Pesticides/PCBs – AR1016 was qualified as estimated in sample SB-G10-2008-03(0-1) due to the matrix spike not being recovered for this aroclor. All compounds were qualified as estimated for sample SB-G10-2008-03(0-1), due to poor surrogate recovery. Samples FB-33 and SB-G10-2008-03(0-1) were qualified as estimated for AR1016 due to the continuing calibration recovery.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - The soils in the SDG were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – Antimony was qualified as estimated in sample SB-G10-8106C-04(0-2) due to the matrix spike recovery for the analyte.

Other Comments – Field duplicate precision was not met for arsenic in pair SB-G10-16-02(0-1)/DUP. N-nitroso-di-n-propylamine was reported as 330 ug/Kg and the raw indicated that the concentration should be 390 ug/Kg for sample SB-G10-8106B-04(0-1). The result form was revised and submitted by the laboratory.

SDG 9912003

Volatiles – NA

Semivolatiles – Compounds associated with internal standards that were outside acceptance limits were qualified as estimated in the following samples: SB-G10-8108-08(0-0.5) and SB-G9-2-03(0-1.33). All soil samples in the SDG were qualified as estimated for acenaphthene and pyrene due to the LCS recoveries of these compounds. Naphthalene was qualified as estimated in all samples in the SDG due to the initial calibration recovery. Di-n-butylphthalate was qualified as estimated in samples that were analyzed on 1/14/00 due to the CCAL; phenol, 2,2'-oxybis(1-chloropropane);, hexachloroethane, nitrobenzene, hexachlorobutadiene, hexachlorocyclopentadiene, 1,2-diphenylhydrazine, di-n-butylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate were qualified as estimated in samples analyzed on 1/15/00 due to the CCAL recovery of these compounds.

Pesticides/PCBs – AR1260 was qualified as estimated in sample SB-G9-2-03(0-1.33) due to the matrix spike recovery. All samples in the SDG were qualified as estimated for AR1016 due to the CCAL recovery of the aroclor.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - Sample SB-F10-1-01(0-1) was qualified as estimated for nitrocellulose due to the slightly low LCS recovery.

Metals – Antimony, chromium and mercury were qualified as estimated in sample SB-G9-2-03(0-1.33) due to the matrix spike recovery. All soils in the SDG were qualified as estimated for copper, lead, nickel and zinc due to the laboratory duplicate precision.

Other Comments – Field blank FB-32 contained nitrocellulose (0.232 mg/L), silver (4.2 ug/L), chromium (2.1 ug/L), copper (3.4 ug/L), and lead (1.9 ug/L).

SDG 9911184

Volatiles – NA

Semivolatiles – Compounds associated with internal standards that were outside control limits were qualified as estimated in samples SB-D10-164B-02(0-1), SB-D10-8284-03(0-1), SB-D10-8234(0-1), SB-D10-8-02(0-1) and SB-D10-8-02(0-1)DUP. Compound 4,6-dinitro-2-methylphenol was qualified as estimated in sample FB-27 due to the CCAL recovery of the compound. Benzo(g,h,i)perylene was qualified as estimated in samples SB-C10-5-01(0-1), SB-D10-8284-03(0-1), SB-D10-165B-02(0-1), and SB-D10-10-01(0-1) due to the initial calibration recovery of the compound. N-nitroso-di-n-propylamine, bis(2-chlorethoxy)ether, 2,2'oxybis(1-chlorpropane), 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol, di-n-octylphthalate and benzidine were qualified as estimated in samples analyzed on 1/3/00 due to the CCAL recoveries of these compounds. Also, Hexachlorocyclopentadiene, di-n-octylphthalate, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,I)perylene and benzidine were qualified as

estimated in samples analyzed on 1/7/00 due to the CCAL recoveries of these compounds.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-C10-7-01(0-1), SB-D10-8-02(0-1)DUP, and SB-C10-211C-06(0-1) were qualified as estimated for 2,4-dinitrotoluene due to the high LCS recovery and low matrix spike recovery for this compound. Samples SB-D10-8-02(0-1)DUP and SB-C10-211C-06(0-1) were qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - No qualification of data.

Metals – Cadmium was qualified as 'U' in samples SB-D10-8-02(0-1), SB-D10-8-02(0-1)DUP, SB-D10-10-01(0-1), SB-C10-211C-04(0-2), SB-C10-211C-07(0-1), SB-C10-241C-04(0-2), SB-C10-12-03(0-1), SB-D10-14-05(0-1) and SB-C10-10-01(0-1) due to blank contamination. Also, samples SB-C10-211C-07(0-1), SB-C10-241C-04(0-2), SB-C10-12-03(0-1), SB-D10-14-05(0-1) and SB-C10-10-01(0-2) were qualified with a 'U' for selenium due to blank contamination. Sample SB-C10-10-01(0-1) was qualified as estimated for antimony and selenium due to the matrix spike recoveries of these analytes. The associated LCS results were acceptable.

Other Comments – Field blank FB-27 contained copper (3.8 ug/L) and zinc (9.3 ug/L). For the original analysis of sample SB-D10-8-02(0-1), all results were BQL for explosives. The duplicate sample, SB-D10-8-02(0-1)DUP contained 3400 ug/Kg of 2,4-dinitrotoluene. The laboratory re-extracted and reanalyzed both the original sample and the duplicate and all results were BQL. The laboratory noted in the case narrative that the duplicate sample could have contained a nonhomogenous piece of 2,4-dinitrotoluene. The original results for both samples are reported. Therefore, the field duplicate precision was not met for this sample pair.

SDG 9911229

Volatiles – NA

Semivolatiles – Pyrene was qualified as estimated in sample SB-G14-1-01(0-2) due to poor surrogate recovery. Acenaphthene was qualified as estimated in samples SB-C08-1-01(0-0.5) and SB-G14-1-01(0-2), due to the LCS recovery. Hexachlorocyclopentadiene, acenaphthylene, 4-bromophenyl phenyl ether, hexachlorobenzene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,I)perylene were qualified as estimated in samples analyzed with the 1/7/00 CCAL, due to the recovery of these compounds.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Selenium was qualified as undetected in samples SB-D16-1-01(0-0.8), SB-A12-3-03(0-1.5) and SB-G14-1-01(0-2) due to method blank contamination. Mercury was qualified as estimated in sample SB-C08-1-01(0-0.5) due to the matrix spike recovery of mercury. All samples in the SDG were qualified as estimated for antimony, mercury and selenium due to the laboratory duplicate precision criteria not being met.

Other Comments – none

SDG 9912078

Volatiles – NA

Semivolatiles – Bis(2-ethylhexyl)phthalate was qualified as 'U' in all samples in the SDG and di-n-butylphthalate was also qualified with a 'U' in FB-37 due to the method blank contamination. Benzidine and 4-nitrophenol were qualified as estimated in all soil samples in the SDG except SB-H11-761-03(0-1) due to the continuing calibration recovery. Compounds 2,4-dinitrophenol, 4-nitrophenol, pentachlorophenol, fluoranthene and pyrene were qualified as estimated in all soil samples except SB-H11-761-03(0-1) in the SDG due to the CCAL recovery.

Pesticides/PCBs – Sample FB-37 was qualified as estimated for AR1260 due to the CCAL recovery. Also, sample SB-H11-762-03(0-1.5) was qualified as estimated for AR1016 and AR1260 due to the CCAL recoveries.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Antimony, chromium and copper were qualified as estimated in sample SB-H11-761-03(0-1) due to the matrix spike recovery. All soil samples in the SDG were qualified as estimated for antimony, chromium, copper, lead and nickel due to the laboratory duplicate precision.

Other Comments – Field blank FB-37 contained NC (0.274 mg/L).

SDG 9912073

Volatiles – NA

Semivolatiles – All samples in the SDG were qualified with a 'U' for bis(2-ethylhexyl)phthalate, due to method blank contamination. Compounds 4-chloro-3-

methylphenol, acenaphthene and 4-nitrophenol were qualified as estimated in all soil samples in the SDG due to the matrix spike and LCS recoveries. Compounds associated with internal standards that were outside acceptance limits were qualified as estimated for samples SB-H11-9335-05(0-2), SB-F11-8227-01(0-1), SB-H11-9335-06(0-1), SB-H10-9000-01(0-1.5) and SB-H11-763-03(0-1). Sample FB-38 was qualified as estimated for n-nitroso-di-n-propylamine, 2,2'oxybis(1-chloropropane) and n-nitrosodimethylamine, due to the CCAL recoveries of these compounds. Samples analyzed on 1/27/00 were qualified as estimated for benzidine, 2,4-dinitrophenol, 4-nitrophenol, fluoranthene and pyrene, and samples analyzed on 1/28/00 were qualified as estimated for hexachlorocyclopentadiene and 4-nitrophenol. Samples SB-H10-269-03(0-1) and SB-F11-6813-01(0-2) were qualified as estimated for n-nitrosodimethylamine and 2,2'oxybis(1-chloropropane) due to the CCAL.

Pesticides/PCBs – AR1016 and AR1260 were qualified as estimated in the samples SB-G11-4-01(0-2) and SB-H13-5-01(0-2) due to the CCAL recoveries of these compounds.

Explosives/ Nitroglycerine – Sample SB-H10-9000-01(0-1.5) was qualified as estimated for 1,3-dinitrobenzene, 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - NA

Metals – Sample SB-F11-456-02(0-2) was qualified as estimated for antimony due to the matrix spike recovery.

Other Comments – Chromium, copper, nickel, lead and selenium precision was not met for field duplicate pair SB-H11-2-02(0-1.25)/DUP. Field data are not qualified based on duplicate precision. Field blank FB-38 contained nitrocellulose (0.196 mg/L).

SDG 9912053

Volatiles – Acrolein and acrylonitrile were qualified as estimated in samples TB and FB-36 due to the poor calibration response of these two compounds. All soil samples were qualified as estimated for acrylonitrile due to the poor calibration response of this compound. All samples were qualified with a 'U' for methylene chloride.

Semivolatiles – Sample SB-H11-6-01(0-1) was qualified as estimated for all compounds in the sample due to the MS and LCS recoveries being outside control limits. Compounds associated with internal standards that were outside acceptance limits were qualified as estimated for samples SB-H11-9310-03(0-1), SB-G11-9309-05(0-1), SB-H10-9320-03(0-1), SB-H10-9002-02(0-1), SB-H11-9336-01(0-1), SB-H11-9336-02(0-1), SB-H10-14-01(0-1), SB-H11-06-01(0-1) and SB-H11-2295-02(0-1). Field blank FB-36 was qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, 1,2-diphenylhydrazine, pyrene and di-n-octylphthalate due to the CCAL recoveries of these

compounds. There were also several compounds that exceeded the CCAL on 1/25/00 and 1/26/00; associated compounds were qualified as estimated.

Pesticides/PCBs – All soil samples were extracted outside holding time and were thus qualified as estimated for all compounds.

Explosives/ Nitroglycerine – Samples SB-H10-10-02(0-1.5), SB-H10-14-01(0-1), SB-H10-14-02(0-2) and SB-H10-14-02(0-2)DUP were qualified as estimated due to the LCS recovery. Samples SB-H10-10-02(0-1.5), SB-H10-14-01(0-1) and SB-H10-14-02(0-2) were qualified with an 'R' for 1,3-dinitrobenzene due to the column percent difference. Samples SB-H10-10-02(0-1.5), SB-H10-14-01(0-1), SB-H10-14-02(0-2)DUP were qualified as estimated for 2,4-dinitrotoluene due to the column percent difference. Sample SB-H10-14-02(0-2)DUP was also qualified as estimated for 1,3-dinitrobenzene due to the column percent difference. Field blank FB-36 was qualified as estimated for RDX and 1,3,5-trinitrobenzene due to the column percent difference.

TPH/TOC/NC - All samples analyzed for nitrocellulose were qualified as estimated for NC due to the LCS recovery.

Metals – Sample SB-H11-6-01(0-1) was qualified as estimated for selenium and antimony due to the matrix spike recovery of these analytes. All soil samples were qualified as estimated for beryllium due to the serial dilution result of beryllium.

Other Comments – Field blank FB-36 contained 1,3,5-trinitrobenzene (0.1 ug/L), 2,4,6-trinitrotoluene (0.6 ug/L), RDX (1.1 ug/L), nitrocellulose (0.173 mg/L) and selenium (2.3 ug/L). Trip blank 'TB' and field blank FB-36 contained chloroform at 1 ug/L. Field duplicate precision was not met for mercury, arsenic, antimony, zinc and 2,4-dinitrotoluene for pair SB-H10-14-02(0-2)/DUP; zinc was not met for pair SB-H10-9320-03(0-1)/DUP. Nitrobenzene was detected in sample SB-H10-14-02(0-2) at 3400 ug/Kg, but was reported as BQL in the field duplicate sample.

SDG 9912040

Volatiles – All compounds in samples SB-H9-1-04(0.5) and SB-G9-8207-05(0.5) were qualified as estimated due to surrogate recovery. Sample FB-25 was qualified as estimated for acrolein, bromomethane, methylene chloride, 2-chloroethyl vinyl ether, cis-1,3-dichloroethene, bromoform and 1,1,2,2-tetrachloroethane, due to the CCAL recoveries of these compounds. All samples in the SDG were qualified with a 'U' for methylene chloride due to blank contamination. Sample SB-G10-8682-05(0-2) was also qualified as 'U' for naphthalene due to the blank. All soil samples were qualified as estimated for acrolein and acrylonitrile due to the poor initial response of this compound.

Semivolatiles – Several compounds associated with an internal standard that exceeded control limits were qualified as estimated for sample SB-G11-8212-04(0-0.5). Field blank FB-35 was qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-

chloropropane), n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrotoluene, 1,2-diphenylhydrazine, pyrene and di-n-octylphthalate due to the CCAL recoveries of these compounds. Compounds 2,2'-oxybis(1-chloropropane), hexachlorobutadiene, 4-nitrophenol and 4,6-dinitro-2-methylphenol exceeded the CCAL recovery limits for the 1/23/00 analysis, 2,4-dinitrophenol, 2,4-dinitrotoluene, 4-nitrophenol, diethylphthalate, butylbenzylphthalate, di-n-octylphthalate, bis(2-ethylhexyl)phthalate and 3,3'dichlorobenzidine for the 1/24/00 analysis, and n-nitrosodimethylamine, bis(2-chloroethyl)ether and 2,4-dinitrophenol for the 1/25/00 analysis. Samples analyzed on these dates were qualified as estimated for the compounds listed.

Pesticides/PCBs – Sample SB-H9-2261-04(0-1.25) was qualified as estimated for AR1016 due to the matrix spike recovery of the aroclor.

Explosives/ Nitroglycerine – Samples SB-H9-2261-04(0-1.25), SB-H9-3-01(0-1.25), SB-G11-253-03(0-1) and SB-H10-16-02(0-0.75) were qualified as estimated for all 8330 compounds due to the holding time exceedance. All soils in the SDG were qualified as 'R' for tetryl due to the LCS recovery being less than ten percent. Sample SB-H10-16-02(0-0.75) was qualified as estimated for 2,4-dinitrotoluene due to the LCS exceeding 125%. Sample SB-H9-2261-04(0-1.25) was qualified as estimated for 4-amino-2,6-dinitrotoluene due to the column percent difference exceeding 90%. Sample SB-H10-16-02(0-0.75) was qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - Sample SB-H10-16-02(0-0.75) was qualified as estimated for nitrocellulose due to the matrix spike recovery of the compound.

Metals – Sample SB-H10-16-02(0-0.75) was qualified as estimated for antimony, arsenic, copper and selenium due to the matrix spike recovery of these analytes. All soil samples were qualified as estimated for all analytes except beryllium and silver, due to the laboratory duplicate precision not being met.

Other Comments – Field blank FB-35 contained chloroform (1 ug/L), lead (2.2 ug/L), selenium (2.6 ug/L) and nitrocellulose (0.34 mg/L). Field duplicate precision was not met for arsenic, copper and nickel for pair SB-G11-9304-02(0-2). Field duplicate precision was not met for pyrene, benzo(a)anthracene and benzo(b)fluoranthene for pair SB-H9-10-052(0-1).

SDG 9912140

Volatiles – Field blank FB-41 and trip blank TRIP 12/14 were qualified as estimated for dibromochloromethane due to the LCS recovery of the compound. Acrolein was originally reported on the LIMs for as being detected in samples SB-H10-503-02(0.5) and SB-H10-262-02(0.5) at 2800 and 3900 ug/Kg, respectively. The raw data indicated that while the raw data Form 1 had acrolein listed as detected in the samples, the

quantitation report did not contain acrolein, and the mass spectra for acrolein was not provided. Acrolein was qualified as estimated in all samples in the SDG due to the poor response in the initial and continuing calibrations. All soil samples were qualified as estimated for trans-1,2-dichloroethene, acrylonitrile, 1,1,1-trichloroethene and carbon tetrachloride due to the CCAL recoveries of these compounds. Samples TRIP 12/14 and FB-41 were qualified as estimated for bromomethane, methylene chloride and 2-chloroethyl vinyl ether due to the CCAL. Methylene chloride was qualfied as 'U' for all samples in the SDG, due to blank contamination.

Semivolatiles – Raw data for samples -07A and -06A were not initally provided in the data package, but was submitted by the laboratory upon request. Acenaphthalene was qualified as estimated in all soil samples due to the LCS recovery. One internal standard in sample SB-G10-4-02(0-0.8) was outside control limits and thus, associated compounds were qualified as estimated. Compounds 2,2'oxybis(1-chloropropane), 4-nitrophenol were qualified as estimated for samples analyzed on 1/31/00 and 2/1/00 due to the CCAL. Also, benzidine was qualified as estimated in samples analyzed on 2/1/00 due to the CCAL. Due to method blank contamination, bis(2-ethylhexyl)phthalate was qualified as 'U' in all samples in the SDG, with the exception of SB-H10-262-02(0-0.5) (the concentration was too high to qualify).

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-H12-3-01(0-1.5) was qualified as estimated for antimony due to the matrix spike recovery of the analyte. Field blank FB-41 was qualified with a 'U' for copper and lead due to method blank contamination.

Other Comments – Field blank FB-41 contained nitrocellulose (0.217 mg/L).

SDG 9912142

Volatiles – Vinyl chloride was qualified as estimated for all samples in the SDG, and dibromochloromethane was qualifies as estimated in samples TRIP 12/17 and FB-44, due to the LCS recovery. Bromomethane, methylene chloride and 2-chloroethyl vinyl ether were qualified as estimated for TRIP 12/17 and FB-44 due to the CCAL recoveries of these compounds. Bromomethane, chloroethane, acrolein, 1,2-dichloropropene, cis-1,3-dichloropropene, toluene, 1,1,2-trichloroethane, perchloroethane, bromodichloromethane, ethylbenzene were qualified as estimated for all soil samples in the SDG due to the CCAL recoveries. Methylene chloride was qualified as 'U' in all samples in the SDG, and naphthalene for samples SB-G10-8503-03(0.5) and SB-G10-8503-03(0.5)DUP due to blank contamination. Acrolein was qualified as estimated in all samples for low response in the initial calibration.

Semivolatiles – Several compounds for several CCAL were outside acceptance limits, thus, samples associated with the CCALs were qualified as estimated. All compounds in samples SB-G9-2123-05(0-1.5), SB-G10-8503-03(0-2)DUP and SB-G8-C3-02(0-1) were qualified as estimated due to holding time exceedance. Samples SB-G8-2114-03(0-1), SB-F8-575-02(0-2), SB-G8-2114-06(0-1), SB-G8-2204-05(0-1) and SB-G8-2210-02(0-2) were qualified as estimated for all compounds, due to surrogate recovery. All compounds in sample SB-F8-575-02(0-1) were qualified as estimated due to the matrix spike recovery. All soil samples in the SDG were qualified as estimated for pentachlorophenol due to the LCS recovery of this compound. Specific compounds associated with internal standards that were outside control limits were qualified as estimated for samples SB-G8-2114-03(0-1), SB-F8-575-02(0-1), SB-G8-2210-02(0-2), SB-G10-8503-03(0-2), SB-G10-8503-03(0-2)DUP and SB-G8-2114-06(0-1). Compound n-nitrosodimethylamine for sample SB-G9-2123-05(0-1.5) was reported at 1600 ug/Kg but is BQL in the raw data. However, n-nitrosodiphenylamine was reported as BQL, but should have been 1600 ug/Kg. The laboratory was contacted and revised the data as described above.

Pesticides/PCBs – All aroclors for sample SB-G8-5-01(0-2) were qualified as estimated due to a holding time exceedance. Aroclors AR1016 and AR1260 were qualified as estimated in FB-44 due to the CCAL recovery.

Explosives/ Nitroglycerine – The following samples and compounds were qualified as estimated due to surrogate recovery: 2,4-dinitrotoluene for samples SB-F8-575-02(0-1), SB-G8-2114-06(0-1) and SB-G8-2210-02(0-2); HMX for SB-G8-2114-06(0-1) and SB-G8-2249-01(0-1). Tetryl was qualified as 'R' in all soils in the SDG since the LCS recovery was less than ten percent. Samples SB-G8-2114-06(0-1) and SB-G8-2210-02(0-2) were qualified as estimated for 2,4-dinitrotoluene, and sample SB-G8-2249-01(0-1) was qualified as estimated for HMX due to the column percent difference exceeding 25%.

TPH/TOC/NC - Sample SB-F8-575-02(0-1) was qualified as estimated for nitrocellulose due to the matrix spike recovery of the compound. Field duplicate precision was not met for

Metals – Selenium was qualified as 'U' for samples SB-G8-2114-03(0-1) and SB-G8-2210-03(0-1.5)DUP and copper was qualified as 'U' for FB-44 due to blank contamination. Sample SB-F8-575-02(0-1) was qualified as estimated for antimony, arsenic, selenium, chromium and copper due to the matrix spike recovery of these analytes. All soil samples in the SDG were qualified as estimated for chromium, nickel and mercury due to the laboratory duplicate precision not being met.

Other Comments – Field duplicate precision was not met for nitrocellulose for pair SB-G8-2210-03(0-1.5)/DUP. Field blank FB-44 contained bis(2-ethylhexyl)phthalate at 5 ug/L.

SDG 9912025

Volatiles – All samples in the SDG were qualified as estimated for acrolein due to the poor response in the initial calibration. Samples TB 12/1/99 and FB-34 were qualified as estimated for bromomethane, acrolein, methylene chloride, 2-chloroethyl vinyl ether, cis-1,3-dichloropropene, bromoform, 1,1,2,2-tetrachloroethane and napthalene due to the CCAL. All samples were qualified with a 'U' for methylene chloride due to blank contamination. Trichloroethene was qualified with a 'U' in samples SB-G10-8106-02(0.5), SB-G10-8106-02(0.5)DUP, SB-G10-172A-01(0.5) and SB-H10-9103-03(0.5) due to blank contamination. There were several samples that had a JB qualifier for selected compounds. While the concentration of these compounds is at a 'J' concentration, it was not detected in the associated blank, which is indicated by the 'B' qualification. The laboratory was contacted and resubmitted the data which contained the extra 'B' qualifier, eliminating the 'B.

Semivolatiles – Compounds associated with specific internals for samples SB-G12-8203-01(0-2), SB-G12-8203-03(0-2), SB-G10-8106-02(0-2), SB-H10-9103-01(0-1), SB-H9-8155-02(0-1), SB-H10-9103-03(0-1) SB-G10-8106-02(0-1)DUP, SB-G10-8106-01(0-1), SB-G12-6-04(0-0.5), SB-H10-2092/2002-03(0-0.5), SB-H10-9104-02(0-1) and SB-H8-69E-01(0-2) due to the internal standard criteria not being met. All soils were qualified with a 'U' for), bis(2-ethylhexyl)phthalate with the exception of sample SB-H10-2092/2002-03(0-0.5), which contained a concentration that was too high to qualify, due to blank contamination. Field blank FB-34 was qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, 1,2-diphenylhydrazine, pyrene and di-n-octylphthalate due to the CCAL. All soil samples were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol, 2,4-dinitrotoluene, 4-nitrophenol and pyrene due to the CCAL.

Pesticides/PCBs – Aroclor AR1260 was qualified as estimated in sample SB-G10-7-01(0-2)DUP due to the matrix spike recovery. All soil samples were qualified as estimated for AR1016, due to the CCAL recovery for the compound.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - Nitrocellulose was qualified as estimated for all soil samples in the SDG due to the LCS recovery.

Metals – Antimony was qualified as estimated for SB-G12-8203-03(0-2) due to the matrix spike recovery. All soil samples were qualified as estimated for beryllium due to the serial dilution results. Field blank FB-34 was qualified as 'U' for silver due to blank contamination.

Other Comments – Field duplicate precision was not met for pair SB-G12-7-01(0-2)/DUP, nitrocellulose, AR1254 and AR1260. Field duplicate precision was not met for

for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene for pair SB-G10-8106-02(0-2)/DUP. Field blank FB-34 contained chromium (4.0 ug/L), copper (2.0 ug/L), nickel (1.5 ug/L), lead (2.1 ug/L), bis(2-ethylhexyl)phthalate and nitrocellulose (0.278 mg/L).

SDG 9912141

Volatiles – NA

Semivolatiles – Internal standards for samples SB-G7-2-04(0-1), SB-G11-2017A-06(0-2), SB-F11-485-02(0-2), SB-F10-8576-05(0-1), SB-G10-8501-06(0-1) and SB-G7-1-01(0-1) were outside limits, thus, compounds associated with the specific internal standards were qualified as estimated. Sample SB-G7-2-04(0-1) was qualified as estimated for 4-chloro-3-methylphenol, acenaphthene and 2,4-dinitrotoluene due to matrix spike recovery. Field blank FB-43 was qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane) and hexachlorocyclopentadiene due to the CCAL recovery. Naphthalene was qualified as estimated in samples SB-G11-2017A-06(0-2) and SB-F10-8576-05(0-1.5) due to the ICAL recovery of the compound. All soil samples were qualified as estimated for 1,2-dichlorobenzene, hexachloroethane, naphthalene, 4,6-dinitro-2-methylphenol, anthracene and benzo(g,h,I)perylene, due to the CCAL recovery.

Pesticides/PCBs – All soil samples were qualified with an 'R' for all aroclors due to the holding time exceeding 2x for the extraction of the samples. The LCS for AR1260 was also outside limits and the CCAL for AR1660 was also exceeded. Since the data were rejected due to the holding time, no further qualification could be applied.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-G8-A12-05(0-1) was qualified with a 'U' for selenium, and sample FB-43 was qualified with a 'U' for copper and lead, due to method blank contamination. Antimony, selenium and zinc were qualified as estimated in sample SB-G7-2-04(0-1) for matrix spike recovery. All soil samples in the SDG were qualified as estimated for arsenic, nickel, zinc and mercury due to the laboratory duplicate precision results. All soil samples in the SDG were qualified as estimated for beryllium, due to the serial dilution result for beryllium.

Other Comments – Field blank FB-43 contained bis(2-ethylhexyl)phthalate (2 ug/L).

SDG 9912113

Volatiles –

Semivolatiles – Sample SB-G11-3-01(0-1.5) was lost by the laboratory after extraction, thus there data was not provided for this sample. Sample SB-H11-9313-02(0-1) was qualified as estimated for 4-chloro-3-methylphenol and acenaphthene due to the matrix spike recoveries of these compounds. Internal standards were outside control limits for samples SB-H11-2319-04(0-1.75), SB-G11-8257-03(0-1.5) and SB-G11-66-03(0-1.5), thus the compounds specific to the internal standards were qualified as estimated. Sample FB-39 was qualified as estimated for 1,2-diphenylhydrazine, di-n-butlyphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate; samples analyzed on 1/28/00 were qualified as estimated for n-nitrosodimethylamine and 2,2'oxybis(1-chloropropane); samples analyzed 1/29/00 were qualified as estimated for 2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, 4-nitrophenol and 4,6-dinitro-2-methylphenol; and samples analyzed 1/31/00 were qualified as estimated for n-nitrobenzene due to the CCAL recovery. Several samples in the SDG were qualified with a 'U' for bis(2-ethylhexyl)phthalate and di-n-butylphthalate due to blank contamination.

Pesticides/PCBs – Sample FB-39 was qualified as estimated for all aroclors due to the surrogate recovery. All soil samples were qualified as estimated for AR1016 due to the CCAL recovery.

Explosives/ Nitroglycerine – Sample SB-H10-68-03(0-1) was qualified as estimated for 1,3-dinitrobenzene and 2,4-dinitrotoluene due to the surrogate recovery and column percent difference. Sample SB-H10-68-03(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the LCS recovery.

TPH/TOC/NC - No data qualification.

Metals – Selenium was qualified as 'U' for samples SB-G9-8205-05(0-0.5), SB-F12-4-03(0-2) and SB-H11-9313-02(0-1) due to blank contamination. Mercury, antimony and selenium were qualified as estimated for sample SB-H11-9313-02(0-1) due to the matrix spike recovery. Chromium and mercury were qualified as estimated in all soil samples due to the laboratory duplicate precision. Sample FB-39 was qualified as estimated for copper and lead due to method blank contamination. All samples in the SDG were qualified as estimated for acrolein due to the poor response in the initial calibration. Soil samples analyzed 12/21/99 were qualified as estimated for chloroethane, acrolein, carbon tetrachloride; water samples analyzed 12/21/99 were qualified as estimated for bromomethane, 2-chloroethylvinyl ether and acrylonitrile due to the CCAL recovery. All samples were qualified with a 'U' for methylene chloride due to blank contamination.

Other Comments – Zinc for pair SB-G11-3-01(0-1.5)/DUP and lead for pair SB-H10-8225-03(0-1) were outside control limits for the field duplicates. Data were not qualified based on field duplicate results. Trip blank TRIP 1219 contained toluene (1 ug/L).

SDG 9912146

Volatiles – Sample SB-G10-8159-05(0.5) was qualified as estimated for all compounds due to the surrogate recovery. Dibromochloromethane was qualified as estimated in FB-

42 and TB12/15 due to the LCS recovery. Methylene chloride and naphthalene were qualified with a 'U' in associated samples if the concentration in the sample was less than five times the blank concentration. All samples were qualified as estimated for acrolein due to the initial calibration response of the compound. Samples FB-42 and TB12/15 were qualified as estimated for bromomethane, methylene chloride, acrolein, acrylonitrile and 2-chloroethylvinyl ether due to the CCAL. Samples SB-G10-8159-05(0.5), SB-G10-8159-03(0.5) and SB-G10-8159-06(0.5) were qualified as estimated for methylene chloride and acrolein; also, chloroethane, acrolein and carbon tetrachloride were qualified as estimated in several samples, due to the CCAL.

Semivolatiles – Compounds associated with the internal standard for SB-G10-8502-07(0-1) were qualified as estimated due to internal standard criteria not being met. All compounds for sample SB-G10-5-02(0-1) were qualified as estimated due to the surrogate recovery exceeding control limits. Phenol and acenaphthene were qualified as estimated for sample SB-G11-8114-03(0-2) due to the matrix spike recovery of these compounds. Acenaphthene was qualified as estimated in all soils in the SDG due to the LCS recovery of the compound. Sample FB-42 was qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine and hexachlorocyclopentadiene due to the CCAL. Also, samples analyzed on 2/3/00 octylphthalate were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol and di-n-octylphthalate; samples analyzed on 2/4/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol, due to the CCAL.

Pesticides/PCBs – All soil samples were qualified as estimated for all aroclors due to a holding time exceedance of greater than two times the extraction allowance. Sample FB-42 was qualified as estimated for AR1016 due to the CCAL recovery.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - Sample SB-G10-8114-03(0-2) was qualified as estimated for TOC due to the matrix spike recovery. Nitrocellulose was qualified as estimated for all samples, due to the LCS recovery.

Metals – Selenium was qualified as 'U' for samples SB-G11-2017B-08(0-2), SB-H12-8563-03(0-1), SB-H12-689-03(0-1), SB-11-8-01(0-2), c and SB-G10-8159-06(0-2); and copper was qualified a 'U' in FB-42 due to blank contamination. Selenium and thallium were qualified as estimated in sample SB-G10-8114-03(0-2) due to the matrix spike recovery.

Other Comments – Mercury precision was not met for field duplicate pair SB-G10-3-01(0-0.5)DUP. AR1254 precision was not met for field duplicate pair SB-G10-8522-01(0-1.5)DUP.

SDG 9912115

Volatiles – Samples SB-F11-2-03(0.5), SB-F10-37B-02(0.5), SB-G9-1-02(0.5), SB-H10-2003-01(0.5) and FB-40 were qualified as estimated for all compounds due to the surrogate recovery. All samples in the SDG were qualified with a 'U' for methylene chloride due to blank contamination. Acrolein was qualified as estimated for all samples in the SDG due to low response in the initial calibration. Samples FB-40 and TRIP 210 were qualified as estimated for bromomethane, acrolein and 2-chloroethylvinyl ether due to the CCAL recovery. Samples analyzed 12/21/99 were qualified as estimated for chloroethane, acrolein and carbon tetrachloride; samples analyzed 12/22/99 were qualified as estimated for trans-1,2-dichloroethene, acrolein, 1,1,1-trichloroethane and trichloroethene due to the CCAL recovery.

Semivolatiles – All compounds in sample SB-G9-15-01(0-1) were qualified as estimated due to the surrogate recovery. Sample SB-F10-37B-02(0-0.5) was originally reported with phenanthrene as BQL and chrysene as 120 ug/Kg. The laboratory revised and resubmitted the data which shows phenanthrene at 200 J ug/Kg and chrysene as 210 ug/Kg.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-G11-8208-05(0-1.5) was qualified as estimated for antimony due to the matrix spike recovery. All soil samples were qualified as estimated for arsenic due to the laboratory duplicate precision. Sample FB-40 was qualified with a 'U' for copper due to blank contamination.

Other Comments – Field blank FB-40 contained selenium (2.6 ug/L), butylbenzylphthalate (1 ug/L), bis(2-ethylhexyl)phthalate (7 ug/L) and toluene (1 ug/L); trip blank TRIP 210 contained toluene (1 ug/L). Mercury, lead and antimony were outside precision criteria for field duplicate pair SB-G9-15-01(0-1)/DUP; mercury and chromium were outside precision criteria for duplicate pair SB-H11-9312-02(0-1).

SDG 9911128/9911137

Volatiles – NA

Semivolatiles – Sample SB-E10-618A-04(0-0.5) was qualified as estimated for phenol, 2-chlorophenol, 1-4-dichlorobenzene, n-nitroso-di-n-propylamine, 1,2,4-trichlorobenzene and acenaphthene due to the matrix spike recovery. Samples FB-25 and FB-26 were qualified as estimated for indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the CCAL recovery. Samples analyzed 12/29/00 were qualified as estimated for n-nitrosodimethylamine, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and benzidine; samples analyzed 12/30/00 were qualified as estimated for

2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, 2,4-dinitrophenol, , 4,6-dinitro-2-methylphenol, benzo(b)fluoranthene and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – All compounds in sample SB-C11-4-20(0-1) were qualified as estimated due to the surrogate recovery. Sample SB-E10-618A-04(0-0.5) was qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%. Sample SB-C11-27-03(0-0.5) was qualified as estimated for 1,3-dinitrobenzene, nitrobenzene, 2-nitrotoluene and 2,4-dinitrotoluene; and qualified as 'R' for 2-amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene due to the column percent difference. Sample SB-C11-4-02(0-1) was qualified as 'R' for 1,3-dinitrobenzene and with a 'J' qualification for 2,4-dinitrotoluene due to the column percent difference.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-C11-4-09(0-1.5) was qualified as estimated for antimony, selenium, arsenic and mercury due to the matrix spike recovery. Sample FB-26 was qualified as 'U' for copper and sample FB-25 was qualified as 'U' for chromium, copper and lead due to blank contamination.

Other Comments – Field duplicate precision was not met for zinc for pair SB-D10-2227E-01(0-2)/DUP.

SDG 9911112

Volatiles – NA

Semivolatiles – Sample FB-24 was qualified as estimated for all compounds due to the missed holding time. Samples analyzed 12/28/99 were qualified as estimated for hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene; samples analyzed 12/30/99 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), hexachlorobutadiene, hexachlorocyclopentadiene, hexachlorobenzene, pyrene, 3,3'-dichlorobenzidine and di-n-octylphthalate; samples analyzed 12/31/99 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), pyrene, butylbenzene, 3,3'-dichlorobenzidine, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene, due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-B11-11-05(0-0.5) was qualified as estimated for 2-amino-4,6-dinitrotoluene due to the LCS recovery. Sample SB-C11-12-02(0-1) was qualified as estimated for 4-amino-2,6-dinitrotoluene and sample SB-B11-11-05(0-0.5) for 2,4-dinitrotoluene and nitrobenzene, due to the column percent difference exceeding

25%. Sample SB-B11-11-05(0-0.5) was qualified with and 'R' for 2-amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene due to the column percent difference exceeding 90%.

TPH/TOC/NC - Sample SB-C11-N3-03(0-1) was originally reported as 147000 mg/Kg for TOC. The correct value is 14700 mg/Kg. The laboratory was contacted and the lab noted that the raw data was incorrect. The correct value is 147000 and remains unchanged in the LIMS form.

Metals – Antimony was qualified as 'U' in samples SB-D9-9108-01(0-0.5), SB-D09-N1-03(0-0.5), SB-C11-2223-01(0-1), SB-C11-N3-03(0-1), SB-D9-4-03(0-1) and SB-D9-4-03(0-1)DUP and selenium was qualified as 'U' for samples SB-C11-2223-01(0-1), SB-41-2223-03(0-2), SB-C11-23-02(0-1), SB-C11-N3-03(0-1), SB-C11-15-05(0-2), SB-D9-9108-01(0-0.5), SB-D9-9108-04(0-1), SB-D9-9108-07(0-1) and SB-D9-9108-10(0-0.5), due to blank contamination. Sample SB-D9-9108-07(0-1) was qualified as estimated for antimony, arsenic and copper due to the matrix spike recovery.

Other Comments – Field blank FB-24 contained lead (1.5 ug/L). Field duplicate precision was not met for chromium for pair SB-D9-4-03(0-1)/DUP and precision for benzo(a)pyrene, lead and selenium were not met for pair SB-C11-12-02(0-1)/DUP.

SDG 9912183

Volatiles – NA

Semivolatiles – Sample SB-G7-2149-04(0-1) was qualified as estimated for all compounds due to a holding time exceedance. Samples SB-G7-2164-05(0-0.5), SB-G7-2115-04(0-1), SB-G7-2115-07(0-1), SB-G7-2149-04(0-0.5), SB-G7-2149-04(0-1)DUP, SB-G9-2108-02(0-2), SB-F9-5-03(0-1.25), SB-G7-2115-06(0-0.5), SB-G7-2149-04(0-1), SB-F9-16-04(0-1), SB-F9-2105A-01(0-1) and SB-F9-8188-01(0-1) were qualified as estimated for all compounds, due to surrogate recovery. Samples SB-F9-C1-04(0-1.25), SB-G9-A11-02(0-0.75), SB-F9-16-05(0-1.5)DUP, SB-F9-16-04(0-1), SB-F9-2105A-01(0-1) and SB-F9-2188-01(0-1) were qualified with a 'U' for di-n-butylphthalate due to blank contamination. All soil samples were qualified as estimated for all compounds due to poor matrix spike and LCS recoveries. Compounds specific to internal standards that were outside control limits were qualified as estimated for samples SB-F9-16-04(0-1), SB-F9-2105A-01(0-1), SB-G7-2164-05(0-0.5), SB-G7-2115-04(0-1) and SB-G7-2149-01(0-0.5). Sample FB-45 was qualified as estimated for 2,2'oxybis(1-chloropropane), 2,4-dinitrophenol, benzidine and 4,6-dinitro-2-methylphenol due to the CCAL. Samples analyzed 2/9/00 were also qualified as estimated for hexachloroethane, hexachlorobutadiene, 1,2-diphenylhydrazine, hexachlorobenzene, bis(2-ethylhexyl)phthalate, di-n-octylphthalate and benzidine due to the CCAL recovery of these compoounds.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-F9-5-03(0-1.25), SB-F9-8188-01(0-1), SB-G7-2115-04(0-1), SB-G7-2115-07(0-1) and SB-G7-2115-06(0-0.5) were qualified as estimated for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to the surrogate recovery. Samples SB-F9-5-03(0-1.25), SB-F9-8188-01(0-1), SB-G7-2115-04(0-1), SB-G7-2115-07(0-1) and SB-G7-2115-06(0-0.5) were qualified as estimated for 1,4,6-trinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - Sample SB-F9-5-03(0-1.25) was qualified as estimated for NC due to the matrix spike results. All soils were qualified as estimated for NC due to the laboratory duplicate precision.

Metals – Samples SB-F9-5-03(0-1.25), SB-F9-2105A-01(0-1), SB-F9-C1-04(0-1.25), SB-G7-2164-05(0-0.5), SB-G7-2115-07(0-1), SB-G7-2149-04(0-1)DUP, SB-G7-2108-02(0-2), SB-F9-7-03(0-1), SB-G9-A11-02(0-0.75), SB-F9-16-05(0-1.5), SB-F9-16-05(0-1.5)DUP and SB-F9-2109D-03(0-1) were qualified with a 'U' for cadmium; samples SB-G7-2164-01(0-1.5), SB-G7-2164-05(0-0.5), SB-G7-2115-06(0-0.5), SB-G7-2115-07(0-1), SB-G7-2149-04(0-1), SB-G7-2149-01(0-0.5), SB-G7-2149-04(0-1)DUP, SB-G7-2108-02(0-2), SB-G9-2108-05(0-1) and SB-F9-C1-04(0-1.25) were qualified with a 'U' for antimony; samples SB-G7-2164-05(0-0.5), SB-G7-2115-06(0-0.5), SB-G7-2115-07(0-1), SB-G7-2149-01(0-0.5), SB-G9-2108-02(0-2), SB-F9-16-05(0-1.5)DUP, SB-F9-2109D-03(0-1), SB-F9-8188-01(0-1) and SB-F9-2105A-01(0-1) were qualified with a 'U'

for silver due to blank contamination. Samples SB-F9-16-05(0-1.5)DUP and SB-F9-5-03(0-1.25) were qualified as estimated for antimony and sample SB-F9-5-03(0-1.25) was also qualified as estimated for arsenic due to matrix spike recovery of these analytes. All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision.

Other Comments – Copper was outside precision limits in field duplicate pair SB-G7-2149-04(0-1).

SDG 9911114

Volatiles – Sample FB-23 was qualified as estimated for chloroform, 1,2-dichloroethane, 1,1,1-trichloroethane, carbon tetrachloride and dibromochloropropane due to the LCS recovery of these compounds. All samples in the SDG were qualified as 'U' for methylene chloride due to blank contamination. Sample SB-E11-207B-04(6) was qualified with a 'U' for naphthalene due to blank contamination. Sample FB-23 was qualified as estimated for acrolein due to the ICAL, and acrylonitrile, 1,1,2-trichloroethane, 1,3-dichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, hexachlorobutadiene, naphthalene, 1,2-dichlorobenzene and 2-chloroethylvinyl ether for the CCAL recoveries of these compounds. All soil samples were qualified as estimated for acrolein and methylene chloride, due to the CCAL.

Semivolatiles – All soils in the SDG were qualified as estimated for n-nitroso-di-n-propylamine due to the LCS recovery. Sample FB-23 was qualified as estimated for indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene, due to the CCAL recovery. Soil samples were qualified as estimated for n-nitrosodimethylamine, 2,4-dinitrophenol due to the CCAL. Samples analyzed on 12/29/99 were also qualified as estimated for 4,6-dinitro-2-methylphenol due to the CCAL.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-B11-2044-06(0-0.67) was qualified as estimated for all compounds due to the surrogate recovery. Samples SB-B11-2044-03(0-0.5) and SB-B11-2044-06(0-0.67) were qualified as estimated for 2-amino-4,6-dinitrotoluene due to the LCS recovery. Sample SB-B11-2044-03(0-0.5) was qualified as 'R' for 4-amino-2,4-dinitrotoluene and as estimated for 2-amino-4,6-dinitrotoluene, due to the column percent difference. Sample SB-B11-2044-06(0-0.67) was qualified as 'R' for 4-amino-2,6-dinitrotoluene, due to the column percent difference exceeding 90%.

TPH/TOC/NC - Nitrocellulose was qualified as estimated in all soils due to the matrix spike and LCS recoveries.

Metals – Sample FB-23 was qualified with a 'U' for chromium and lead due to blank contamination. Samples SB-C11-2233D-06(0-2), SB-C11-10-01(0-2), SB-**C**11-6-03(0-1) and SB-C11-2044-03(0-0.5) were qualified with a 'U' for antimony due to blank contamination. Sample SB-C11-24-04(0-2)MS/MSD was qualified as estimated for

antimony and chromium due to the matrix spike recoveries of these analytes. All soil samples in the SDG were qualified as estimated for chromium due to the laboratory duplicate precision.

Other Comments – Field blank FB-23 contained nitrocellulose (0.139 mg/L). Chromium precision was not met for field pair SB-B11-2044-04(0-1.25).

SDG 0003120

Volatiles – NA

Semivolatiles – Sample FB-48 was qualified as estimated for 2,2'oxybis(1-chloropropane) due to the CCAL. Also, samples analyzed on 4/6/00 were qualified as estimated for 2,2'oxybis(1-chloropropane) and n-nitroso-di-n-propylamine; on 4/7/00 for ,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, n-nitrosodimethylamine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,I)perylene and benzidine; on 4/10/00 for 2,2'oxybis(1-chloropropane), due to the CCAL.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-F10-2096-06(0-1) and SB-E9-2296-05(0-1) were qualified as estimated for all compounds due to samples being extracted outside of the holding time. Samples SB-F10-2097-08(0-1) and SB-F9-2109C-01(0-0.75) were qualified as estimated for 2,4-dinitrotoluene, sample SB-F8-2144-04(0-1.5) for 2,4,6-trinitrotoluene and sample SB-F9-2106-04(0-1) for 1,3-dinitrobenzene due to the column percent difference exceeding 25%.

TPH/TOC/NC - All samples in the SDG were qualified for as estimated for nitrocellulose due to the LCS recovery.

Metals – The laboratory notes that antimony, selenium, silver and thallium reporting limits were slightly higher than specified in the QAPP. Data were not qualified. All antimony results were qualified as estimated due to the matrix spike recovery. All soil samples were qualified as estimated for zinc due to the serial dilution results. Silver was qualified as estimated for sample SB-F9-2109C-05(0-0.5) due to the matrix spike. All soils in the SDG were qualified as estimated for arsenic, chromium, copper, lead, zinc and nickel due to the laboratory duplicate precision. Sample FB-48 was qualified as 'U' for copper due to blank contamination.

Other Comments – Samples SB-F8-2107-05(0-0.5), SB-F8-2107-05(0-0.5)DUP and SB-F8-2107-02(0-1) were on the COC but were not analyzed in this SDG. The laboratory remarked via e-mail that the samples are in SDG 0003122 due to the current package containing over 20 samples for a single analysis. Field precision was not met for arsenic, chromium, copper, lead and zinc. Field blank FB-48 contained zinc at 4.9 ug/L.

SDG 0003122/0003131

Volatiles – NA

Semivolatiles – Sample SB-F8-2107-05(0-0.5) was qualified as estimated for 4-chloro-3-methylphenol due to the matrix spike recovery. Compounds associated with internal standards that were outside control limits for samples SB-F10-2356-06(0-2), SB-F8-2107-01(0-1), SB-F8-2107-01(0-1) and SB-F8-2107-05(0-0.5)DUP were qualified as estimated. Samples analyzed on 4/5/00 were qualified as estimated for 2,2'oxybis(1-chloropropane) and hexachlorocyclopentadiene; on 4/10/00 for 2,2'oxybis(1-chloropropane; and on 4/14/00 for hexachlorocyclopentadiene due to the CCAL. The laboratory noted in the case narrative that several samples could not be concentrated down to the final extract volume, thus several samples are reported at elevated reporting limits.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-F8-2107-05(0-0.5), SB-F8-2107-05(0-0.5)DUP, SB-F8-2107-01(0-1) and SB-F10-2356-06(0-2) were qualified as estimated for all detected 8330 compounds due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples SB-F8-2107-05(0-0.5), SB-F8-2107-05(0-0.5)DUP, SB-F8-2107-01(0-1); nitrobenzene for SB-F10-2356-06(0-2). Samples SB-F8-2107-05(0-0.5)DUP and SB-F8-2107-01(0-1) were qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the LCS.

Metals – Sample SB-F10-2365-07(0-1) was qualified as estimated for antimony, chromium, selenium, silver and zinc due to the low matrix spike recovery of these analytes. All soil samples in the SDG were qualified as estimated for nickel and chromium due to the laboratory duplicate precision. Sample FB-49 was qualified as 'U' for copper and cadmium due to blank contamination.

Other Comments – Field blank FB-49 contained nitrocellulose at 0.180 mg/L. The field duplicate pair SB-F8-2107-05(0-0.5)/DUP did not compare for 2,4-dinitrotoluene, sample SB-F8-2107-05(0-0.5) contained 2,4-dinitrotoluene at 50000 ug/Kg while the DUP was BQL. Possible carryover may exist since the sample was analyzed just after another sample containing a high concentration of 2,4-DNT.

SDG 0003106

Volatiles –NA

Semivolatiles – All soils in the SDG were qualified as estimated for 4-nitrophenol due to the matrix spike and LCS recovery of this compound. Samples analyzed on 3/30/00 were qualified as estimated for 3,3'dichlorobenzidine, and samples analyzed 4/5/00 were qualified as estimated for n-nitrosodimethylamine and 1,2-diphenlyhydrazine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-F9-2105-05(0-0.5), SB-F10-8564-01(0-0.5) and SB-F10-8237-04(0-1) were qualified as estimated for all 8330 compounds due to the extraction holding time exceedance. Samples SB-E9-2161-04(0-2), SB-E9-610-04(0-1), SB-F9-2105-01(0-1), SB-F9-A6-01(0-1), SB-F9-9-01(0-0.5) and SB-F9-9-05(0-0.5)DUP were qualified as estimated for 2,4-dinitrotoluene; samples SB-F10-2323-02(0-1), SB-F9-2105-05(0-0.5) and SB-F9-A6-01(0-1) were qualified as estimated for 2,4,6-trinitrotoluene, and sample SB-F9-2105-01(0-1) was qualified as 'R' for 2,4,6-trinitrotoluene due to the analytical column percent difference. Sample SB-F9-2105-05(0-0.5) was qualified as estimated for nitroglycerine due to the surrogate recovery.

TPH/TOC/NC - All samples in the SDG were qualified as estimated for nitrocellulose due to the LCS recovery. All soil samples were qualified as estimated for nitrocellulose due to the laboratory duplicate precision.

Metals – All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recovery of the analyte. All soil samples were qualified as estimated for arsenic, chromium, lead and nickel due to the laboratory duplicate precision. Sample FB-47 was qualified with a 'U' for copper and zinc due to blank contamination.

Other Comments – Field duplicate precision was not met for field pair SB-F9-9-05(0-0.5)/DUP for nitrocellulose and for pair SB-E9-2161-04(0-2) for lead. Antimony, selenium, silver and thallium reporting limits were higher than those specified in the QAPP.

SDG 003103

Volatiles – NA

Semivolatiles – Sample SB-E10-2101-12(0-1) was qualified as estimated for acenaphthene, due to the LCS recovery. Samples analyzed on 4/5/00 and 4/6/00 were qualified as estimated for n-nitrosodimethylamine and 1,2-diphenylhydrazine due to the CCAL.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-E10-2101-05(0-2)DUP, SB-F8-2116-07(0-1), SB-F9-567-05(0-0.5), SB-F9-567-05(0-0.5)DUP and SB-F8-2116-03(0-0.5) were qualified as estimated for nitroglycerine and sample SB-E10-2101-12(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the surrogate recovery. Sample SB-F8-2116-03(0-0.5) was qualified as 'R' for 2,4,6-trinitrotoluene and as estimated for RDX and 2,4-dinitrotoluene; sample SB-F8-2116-07(0-1) with an 'R' for 2,4,6-trinitrotoluene; sample SB-F9-567-05(0-0.5)DUP as estimated for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene; and SB-E10-2101-12(0-1) due to the column percent difference exceedances.

TPH/TOC/NC - No qualification of data.

Metals – All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recovery of this analyte. Sample SB-F9-611-02(0-0.5) was qualified as estimated for arsenic and copper due to the matrix spike recovery. All soil samples were qualified as estimated for copper and mercury due to the laboratory duplicate precision. Sample FB-46 was qualified with a 'U' for copper and zinc due to blank contamination.

Other Comments – The reporting limits for antimony, selenium, silver and thallium were not met since the samples were prepared using a 2x dilution prior to analysis. Field duplicate precision was not met for pair SB-F9-567-05(0-0.5)/DUP for copper.

SDG 0003149

Semivolatiles – Sample SB-G7-8140-02(0-2)DUP was qualified as estimated for n-nitrosodimethylamine, 4-nitrophenol, 1,2-diphenylhydrazine, 3,3'dichlorobenzidine and benzidine due to the CCAL.

Metals – No qualification of data.

Other Comments – The COC contained samples that were not submitted with this SDG. The laboratory was contacted and the samples are in SDG.

SDG 0003141

Volatiles – NA

Semivolatiles – Pentachlorophenol was qualified as estimated for sample SB-F11-2016-01(0-1.5) due to the matrix spike recovery. Samples analyzed 4/5/00 were qualified as estimated for 2,2'oxybis(1-chloropropane) and hexachlorocyclopentadiene; on 4/11/00 as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), 4-nitrophenol, 1,2-diphenylhydrazine, hexachlorobenzene and benzidine; on 4/12/00 for n-nitrosodimethylamine, 4-nitrophenol, 1,2-diphenylhydrazine, 3,3'dichlorobenzidine and benzidine due to the CCAL recovery.

Pesticides/PCBs – Sample sample SB-F9-3-01(0-1.5) was qualified as estimated for AR1016 and AR1260 due to the matrix spike recovery.

Explosives/ Nitroglycerine – Samples SB-F11-2016-06(0-2) and SB-E9-2-03(0-1) were qualified as estimated for 2,4,6-trinitrotoluene due to the surrogate recovery. Sample SB-F8-2112-08(0-1.5) was qualified as 'R' for 2,4,6-trinitrotoluene; samples SB-F11-2016-06(0-2), SB-F11-2016-07(0-2) and sample SB-E9-2-03(0-1) as estimated for 2,4,6-trinitrotoluene; sample SB-G9-7-05(0-1) and sample SB-G9-7-05(0-1)DUP as estimated for 2,4-dinitrotoluene due to the column percent difference exceedances.

TPH/TOC/NC - All samples in the SDG were qualified as estimated for nitrocellulose due to the LCS and matrix spike recoveries.

Metals – Sample SB-F11-2016-01(0-1.5) was qualified as estimated for antimony, arsenic and zinc due to the matrix spike recovery.

Other Comments – Sample FB-50 contained copper at 2.1 ug/L. Field duplicate precision was not met for copper and n-nitrosodimethylamine for pair SB-G9-7-05(0-1)DUP, and for lead for pair SB-E10-2097-07(0-2).

SDG 0004001

Volatiles – NA

Semivolatiles – Compounds associated with internal standards for samples SB-H7-15-02(0-1.5), SB-H7-4-04(0-1.5), SB-H7-8131-04(0-1) and SB-H7-8131-04(0-1)DUP were qualified as estimated due to the internal standard criteria not being met. Samples analyzed on 4/13/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, 1,2-diphenylhydrazine, acenaphthene and 3,3'dichlorobenzene due to the CCAL recovery. Samples analyzed on 4/18/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane) and 4,6-dinitro-2-methylphenol due to the CCAL recovery. Sample SB-H7-8131-04(0-1) was reported as BQL for 2,4-dinitrotoluene when the raw data indicated that the compound was detected at 47 J ug/Kg. The laboratory was contacted and data was resubmitted.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-H7-8145-03(0-1.5), SB-I6-E3-05(0-1.5), and SB-H7-8131-04(0-1) were qualified as estimated for RDX; sample SB-H7-4-04(0-1.5) was qualified as estimated for nitrobenzene; sample SB-I7-8-03(0-2) was qualified as estimated for HMX, and sample SB-H7-8131-04(0-1)DUP was qualified as estimated for RDX, HMX and 2,4,6-trinitrotoluene due to the column percent difference.

TPH/TOC/NC - All soils in the SDG were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – All soils in the SDG were qualified as estimated for antimony due to the LCS recovery. Also, all soil samples were qualified as estimated for arsenic, cadmium and lead due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for mercury, chromium, bis(2ethylhexyl)phthalate, nitrocellulose and di-n-butylphthalate for pair SB-H7-8131-04(0-1)/DUP.

SDG 0003129

Volatiles – NA

Semivolatiles – Samples analyzed on 4/7/00 were qualified as estimated for n-nitrosodimethylamine, 1,2-diphenylhydrazine and di-n-butylphthalate; samples analyzed 4/10/00 were qualified as estimated for n-nitrosodimethylamine, 1,2-diphenylhydrazine and benzidine; samples analyzed on 4/10/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), 4-nitrophenol, 1,2-diphenylhydrazine, hexachlorobenzene and benzidine, due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-E9-2153-02(0-1.5), SB-F8-2118-02(0-1), SB-F8-2118-02(0-1)DUP and SB-F8-9-02(0-0.5) were qualified with an 'R' for 2,4,6-trinitrotoluene; samples SB-F8-2118-02(0-1)DUP and SB-F8-2118-10(0-1) were qualified as estimated for 2,4-dinitrotoluene; sample SB-E9-2153-02(0-1.5) was qualified as 'R' for nitrobenzene due to the column percent difference.

TPH/TOC/NC - All samples in the SDG were qualified as estimated for nitrocellulose due to the LCS and matrix spike recoveries.

Metals – All soil samples were qualified as estimated for antimony due to the LCS recovery. Arsenic and zinc were qualified as estimated in sample SB-F8-1-02(0-2) due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for nitrocellulose for pair SB-F8-2118-02(0-1)/DUP. Several samples in this SDG were not reported in this package due to the total number of samples for an analysis exceeding 20 per SDG. The remaining samples are in another data package.

SDG 0003128

Volatiles – NA

Semivolatiles – All soil samples were qualified as estimated for 4-nitrophenol due to the LCS and matrix spike recoveries. Samples analyzed on 4/6/00 were qualified as

estimated for benzidine; samples analyzed 4/7/00 were qualified as estimated for 3,3'-dichlorobenzidine; samples analyzed on 4/15/00 were qualified as estimated for 2,4-dinitrophenol, due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-F9-2104-03(0-0.5) was qualified with an 'R' for 2,4,6-trinitrotoluene; samples SB-F9-2105B-01(0-1), SB-E10-615-04(0-0.74), and SB-E10-615-04(0-0.75) were qualified as estimated for 2,4-dinitrotoluene due to the column percent difference.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the LCS and matrix spike recoveries.

Metals – All soil samples were qualified as estimated for antimony due to the LCS and matrix spike recoveries. All soil samples were qualified as estimated for copper due to the laboratory duplicate precision.

Other Comments – The data for three samples on the COC were not reported in this SDG. Field precision was not met for 2,4-dinitrotoluene for pair SB-E10-615-04(0-0.75).

SDG 0003146

Volatiles – NA

Semivolatiles – All compounds for sample SB-H7-8134-02(0-1.5) were qualified as estimated due to the surrogate recovery. Compounds associated with specific internal standards were qualified as estimated for samples SB-G6-8129-05(0-0.5), SB-H7-8134-02(0-1.5) and SB-H7-9-04(0-1) due to the internal standard recoveries. Samples analyzed on 4/24/00 were qualified as estimated for di-n-octylphthalate or benzo(g,h,I)perylene; samples analyzed 4/28/00 were qualified as estimated for n-nitrosodimethylamine, hexachloroethane, 4,6-dinitro-2-methylphenol, dibenz(a,h)anthracene and 1,2-diphenylhydrazine due to the CCAL recovery.

Pesticides/PCBs – Sample SB-G7-8139-08(0-0.5) was qualified as estimated for all PCB compounds due to the surrogate recovery.

Explosives/ Nitroglycerine – Sample SB-H7-13-05(0-1)DUP was qualified as estimated for 2,4-dinitrotoluene, sample SB-G7-8139-02(0-1) was qualified as 'R' for 2,4,6-trinitrotoluene, and sample SB-G7-8139-02(0-1) was qualified as estimated for nitrobenzene due to the column percent difference.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries. Sample SB-G6-3-01(0-2) was qualified as estimated for copper due to the matrix spike recovery. All samples were qualified as estimated for arsenic and copper due to the laboratory duplicate precision. Sample FB-51 was qualified as 'U' for beryllium due to blank contamination.

Other Comments – Field duplicate precision was not met for nickel, lead and antimony for pair SB-H7-13-05(0-1)/DUP.

SDG 0003162

Volatiles – All compounds in samples SB-G6-8243-03(0.5), SB-H6-8120-05(0.5) and SB-H6-8120-06(0.5) were qualified as estimated due to the surrogate recovery. Compounds associated with the internal standard that was outside acceptance limits were qualified as estimated in sample SB-H6-8120-06(0-1.5). Trichloroethene and 1,1-dichloroethene were qualified as estimated in sample SB-F10-2162-04(0.5) due to the matrix spike and LCS recoveries. Samples analyzed on 4/12/00 were qualified as estimated for hexachlorocyclopentadiene; samples analyzed 4/24/00 were qualified as estimated for methylene chloride; samples analyzed 4/13 were qualified as estimated for methylene chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, acrylonitrile and 2-chloroethylvinyl ether due to the CCAL recovery. Several samples in the SDG were qualified as 'U' for methylene chloride, bromomethane, naphthalene and chloroform due to blank contamination.

Semivolatiles – Sample SB-H7-8145-01(0-2) was qualified as estimated for n-nitrosodimethylamine and 4-nitrophenol due to the matrix spike recovery. Compounds associated with the internal standard that was outside acceptance limits were qualified as estimated in sample SB-H6-8130-06(0-1.5). Samples analyzed on 4/13/00 were qualified as estimated for hexachlorocyclopentadiene; samples analyzed 4/24/00 were qualified as estimated for 3,3'-dichlorobenzidine, benzo(g,h,I)perylene and benzidine; samples analyzed 4.27 were qualified as estimated for n-nitrosodimethylamine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,I)perylene due to the CCAL recovery. Several samples were qualified as 'U' for di-n-butylphthalate and bis(2-ethylhexyl)phthalate due to blank contamination. There were a few samples that had elevated concentrations of these contaminants, and therefore could not be qualified with a 'U'.

Pesticides/PCBs – Samples SB-H6-8520-01(0-1) and SB-H6-8520-02(0-1) were reported as dilutions instead of the original analysis and a 'D' qualifier for high concentrations of target compounds that were analyzed at dilutions. The laboratory was contacted and the data with the lower detection limit was reported on the revision.

Explosives/ Nitroglycerine – Sample SB-H7-8142-05(0-1) had 110,000 ug/Kg HMX when the laboratory analyzed it undiluted. A blank was not analyzed after this sample and HMX was reported in the preceeding sample, SB-H7-8145-01(0-2) at 350J ug/Kg. This detection is considered suspect due to the fact that the laboratory failed to analyze a

blank prior to running this sample. All compounds in sample SB-F9-1-04(0-1) with the exception of 2,4-dinitrotoluene and nitrobenzene were qualified as estimated due to the surrogate recovery. All compounds in samples SB-F9-1-04(0-1)DUP, SB-H7-8145-01(0-2) and SB-H6-8130-06(0-1.5) were qualified as estimated due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: HMX, 2,4,6-trinitrotoluene and RDX for sample SB-H6-8130-03(0-1);m 2,4,6-trinitrotoluene and RDX for sample SB-H6-8130-06(0-1.5), 2,4,6-trinitrotoluene for sample SB-H6-8116-01(0-1); 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-H7-8142-05(0-1); nitrobenzene for sample SB-F9-1-04(0-1). The following compounds were qualified as estimated for the indicated samples due to the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-H6-8130-03(0-1), 2,4-dinitrotoluene for sample SB-H6-8130-06(0-1.5), RDX for sample SB-H7-8142-05(0-1), HMX, RDX and 4-amino-2,6-dinitrotoluene for sample SB-H7-8144-05(0-1.5), nitrobenzene and 2,4-dinitrotoluene for sample SB-F9-1-04(0-1)DUP and RDX for sample SB-H7-8145-01(0-2). The nitroglycerine results for samples SB-H6-8127-02(0-1.5) and SB-H7-8144-05(0-1.5) were reported as detects when the raw data indicated the compound was BQL. The LIMs forms for these samples were corrected by the laboratory and resubmitted.

TPH/TOC/NC - Nitrocellulose was qualified as estimated for all soil samples in the SDG due to the LCS and matrix spike recoveries.

Metals – Sample SB-H7-8145-01(0-2) was qualified as estimated for antimony, arsenic, copper, selenium and zinc due to the LCS recoveries for these analytes. All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision. Sample FB-52 was qualified as 'U' for zinc for blank contamination.

Other Comments – Field duplicate precision was not met for nitrocellulose and copper for pair SB-F9-1-04(0-1). Field blank FB-52 contained copper (1.4 ug/L).

SDG 0004037

Volatiles – The majority of the soil samples in this SDG were qualified as estimated for all compounds due to surrogate recovery. Compounds associated with the internal standard that was outside acceptance limits were qualified as estimated in samples SB-F10-5-01(0.5), SB-E9-2296A-01(0.5), SB-F10-3-01(0.5), SB-E9-2296C-01(0.5), SB-H7-8252-01(0.5) and SB-F10-3-07(0.5). Samples analyzed on 4/14/00 were qualified as estimated for chloromethane, acrolein, acrylonitrile, hexachlorobutadiene and napthalene due to the CCAL recovery. All samples were qualified with a 'U' for methylene chloride due to blank contamination. The trip blank was used to qualify FB-53 with a 'U' for tetrachloroethene due to contamination. The field blank was also used to qualify the trip blank as 'U' for this compound.

Semivolatiles – Samples SB-H6-8152-04(0-1), SB-H6-8152-05(0-2), SB-H6-8152-07(0-1.5), SB-H6-8122-01(0-0.75), SB-H6-9219-05(0-1.5) and SB-G6-2-03(0-1) were

qualified as estimated for all compounds due missed holding times for extraction. Compound 4-nitrophenol was qualified as estimated in sample SB-H6-9219-05(0-1.5) due to the matrix spike and LCS recovery. Samples analyzed on 4/27/00 were qualified as estimated for n-nitrosodimethylamine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene; samples analyzed 4/28/00 were qualified as estimated for n-nitrosodimethylamine, hexachloroethene, 4-nitrophenol, 4,6-dinitro-2-methylphenol, 1,2-diphenylhydrazine and dibenz(a,h)anthracene; samples analyzed 4/29/00 were qualified as estimated for benzo(g,h,i)perylene, dibenz(a,h)anthracene, n-nitrosodimethylamine, hexachloroethene, hexachlorobutadiene, hexachlorocyclopentadiene, 4-nitrophenol, 4-bromophenyl phenylether, hexachlorobenzene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The nitroglycerin results for several samples were reported with a 'U' in the raw data and were reported as detects in the LIMs results. The laboratory was contacted and the sample data was re-submitted with the results being 'BQL'….

TPH/TOC/NC - All soil samples in the SDG were qualified as estimated for nitrocellulose due to the matrix spike and LCS recoveries.

Metals – Antimony was qualified as 'U' in several samples due to the blank contamination. Sample SB-H6-9219-05(0-1.5) was qualified as estimated for antimony, chromium and lead due to the matrix spike recovery. All soil samples in the SDG were qualified as estimated for chromium, lead and nickel due to the laboratory duplicate precision. Sample FB-53 was qualified as 'U' for zinc due to method blank contamination.

Other Comments – Field blank FB-53 contained bromomethane (3 ug/L) and chloromethane (5 ug/L). Field duplicate precision was not met for selenium for pair SB-H7-8248-02(0-1)/DUP.

SDG 0004074

Volatiles – NA

Semivolatiles – No qualification of data.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – All soil samples in the SDG were qualified as 'U' for mercury due to blank contamination. All soils were qualified as estimated for antimony due to the LCS and matrix spike recoveries. Lead was qualified as estimated in sample SB-N5-8-02(0-1) due to the matrix spike recovery. Sample FB-55 was qualified with a 'U' for zinc due to blank contamination.

Other Comments – NA

SDG 0004097

Volatiles – NA

Semivolatiles – Compounds associated with the internal standard that was outside acceptance limits were qualified as estimated in samples SB-K6-2-03(0-1), . SB-L6-9-01(0-1), SB-L5-6-02(0-1), SB-J5-5-04(0-1.5) and SB-J6-8167-02(0-1.5). Samples analyzed on 5/15/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), 1,2-diphenylhydrazine, bis(2-ethylhexyl)phthalate and di-n-octylphthalate; samples analyzed 5/16/00 were qualified as estimated for 2,2'-oxybis(1-chloropropane), 3,3'-dichlorobenzidine and benzidine; samples analyzed on 5/18/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 4-amino-2,6-dinitrotoluene for sample SB-L5-8318-02(0-2)DUP; the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for samples SB-L5-8318-02(0-2), SB-J6-8133-05(0-2). and SB-L5-8318-02(0-2)DUP; nitrobenzene for sample SB-J5-5-04(0-1.5); RDX and 2,4-dinitrotoluene for sample SB-L5-6-03(0-2).

TPH/TOC/NC - All nitrocellulose samples were qualified as estimated due to the LCS and matrix spike recoveries.

Metals – Sample FB-57 was qualified as 'U' for lead and samples SB-L5-6-05(0-2) and SB-L5-6-10(0-1.5) were qualified as 'U' for cadmium, due to blank contamination. Sample SB-J6-8133-01(0-2) was qualified as estimated for antimony, arsenic, copper and selenium due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for pair SB-K6-9214-05(0-1)/DUP for nitrocellulose and for pair SB-L5-8318-02(0-2) for lead. Field blank FB-57 contained bis(2-ethylhexyl)phthalate (33 ug/L), beryllium (0.12 ug/L), chromium (1.6 ug/L), copper (28.2 ug/L) and nickel (2.4 ug/L).

SDG 0004070

Volatiles – NA

Semivolatiles – Samples analyzed 5/8/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'dichlorobenzidine; samples analyzed 5/10/00 were qualified as estimated for benzidine due to the continuing calibration.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: RDX and nitrobenzene for sample SB-L5-4-02(0-1); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-I6-8184-02(0-1.5); 4-amino-2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene and 2,4-dinitrotoluene for sample SB-L5-4-02(0-1).

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to the matrix spike and LCS recovery.

Metals – Samples SB-L5-10-05(0-2), SB-I5-4-03(0-1) and SB-I5-5-02(0-2) were qualified as 'U' for mercury due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike recovery. Selenium and zinc were qualified as estimated in sample SB-L5-4-02(0-1) due to the matrix spike recovery. All soil samples were qualified as estimated for copper and zinc due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for mercury, chromium and 2,4-dinitrotoluene for pair SB-H6-8246-01(0-1).

SDG 0004051

Volatiles – NA

Semivolatiles – Sample SB-I6-8175-04(0-1)DUP was qualified as estimated due to the surrogate recovery. All compounds associated with the internal standard for sample SB-H7-8176-01(0-1.5) were qualified as estimated. Samples analyzed 4/15/00 were qualified as estimated for 2,2'oxybis(1-chloropropane) and benzo(g,h,i)perylene; samples analyzed 4/29/00 were qualified as estimated for n-nitrosodimethylamine, hexachloroethane, hexachlorobutadiene, hexachlorocyclopentadiene, 4-nitrophenol, 4-bromophenyl phenylether, hexachlorobenzene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene; samples analyzed 5/3/00 were qualified as estimated for 3,3'dichlorobenzidine and benzidine; samples analyzed 5/4/00 were qualified as estimated for bis(2-ethylhexyl)phthalate and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – On the LIMs form, NG for sample SB-H7-8123A-05(0-1) was reported at a concentration of 2,400 ug/Kg. On the raw data form this result was 24,000 ug/Kg. The laboratory was contacted and the higher number was reported for the sample. All soil samples were qualified with an 'R' for tetryl due to the low LCS recovery. Sample SB-G7-E49-02(0-1) was qualified as estimated for nitrobenzene due to the column percent difference exceeding 25%.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the LCS and matrix spike recoveries.

Metals – All soils were qualified as estimated for antimony due to the LCS and matrix spike recovery. Sample SB-H7-8123A-05(0-1) was qualified as estimated for chromium and nickel due to the matrix spike recovery. All soil samples in the SDG were qualified as estimated for silver due to the laboratory duplicate precision. Sample FB-54 was qualified as 'U' for zinc due to blank contamination.

Other Comments – Field duplicate precision was not met for lead for pair SB-I6-8175-04(0-1)/DUP and for mercury for pair SB-H7-8176-01(0-1.5).

SDG 0004081

Volatiles – Sample SB-G9-9322-04(0-1) was qualified as estimated for bromomethane and sample Trip Blank was qualified as estimated for chloroethane, acrolein, acrylonitrile and hexachlorobutadiene due to the CCAL recovery. Sample SB-G9-9322-04(0-1) was qualified with a 'U' for bromomethane, methylene chloride and chloroform, and sample Trip Blank was qualified with a 'U' for methylene chloride, chloroform and toluene due to blank contamination.

Semivolatiles – Sample SB-G9-9322-04(0-1) was qualified as estimated for 2,2'oxybis(1-chloropropane), n-nitrosodimethylamine, 2,4-dimethylamine and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-G9-9322-04(0-1) was qualified as estimated for tetryl and 2,4-dinitrotoluene, due to the column percent difference exceeding 25%.

TPH/TOC/NC - Sample SB-G9-9322-04(0-1) was qualified as estimated for nitrocellulose due to the matrix spike and LCS recovery.

Metals – Antimony was qualified as estimated in sample SB-G9-9322-04(0-1) due to the matrix spike recovery. Sample SB-G9-9322-04(0-1) was also qualified as estimated for copper and lead due to the laboratory duplicate precision.

Other Comments – Sample 'Trip Blank' contains 1,2,4-trichlorobenzene (1 ug/L), hexachlorobutadiene (1 ug/L), naphthalene (2 ug/L) and trichloroethene (2 ug/L).

SDG 0004072

Volatiles – NA

Semivolatiles – Compounds associated with internal standards that exceeded acceptance criteria were qualified as estimated for samples SB-M5-3-02(0-1) and SB-M5-3-04(0-1). Samples analyzed 5/11/00 were qualified as estimated for hexachlorocyclopentadiene and di-n-octylphthalate; samples analyzed 5/12/00 were qualified as estimated for hexachlorocyclopentadiene and benzidine; samples analyzed 5/10/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: RDX for sample SB-M5-3-02(0-1), 2,4,6-trinitrotoluene and RDX for sample SB-M5-3-17(0-0.75), RDX for samples SB-M5-3-19(0-0.75) and SB-M5-3-19(0-0.75)DUP; the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-M5-3-02(0-1); 1,3-dinitrobenzene for sample SB-M5-3-17(0-0.75); 1,3-dinitrobenzene and 2,4-dinitrotoluene for sample SB-M5-3-19(0-0.75); 1,3-dinitrobenzene for sample SB-M5-3-19(0-0.75)DUP. Sample SB-M5-3-01(0-2) was qualified as estimated for 2,4-dinitrotoluene, and SB-M5-3-16(0-0.7) for RDX and nitrobenzene due to the surrogate recovery.

TPH/TOC/NC - Sample SB-M5-3-01(0-2) was reported as BQL for nitrocellulose in the LIMS, and the raw data has the sample result as 27,600 mg/Kg and 195,000 mg/Kg. The laboratory provided revised data. All nitrocellulose data was qualified as estimated due to missed holding times and low LCS recovery.

Metals – All samples were qualified as estimated for antimony due to the LCS recovery,and as estimated for beryllium, cadmium and lead due to the laboratory duplicate precision. Sample SB-N5-8-01(0-1) was qualified as estimated for selenium and chromium, and SB-G9-9322-04(0-1) was qualified as estimated for mercury, due to the matrix spike recovery. Samples SB-M5-3-04(0-1), SB-M5-3-17(0-0.751) and SB-M5-3-19(0-0.75) were qualified as estimated for mercury, due to missed holding times. Mercury was reported as 0.03 mg/Kg in sample SB-N4-2-02(0-2) and the RL was 0.04. The sample results should either be BQL or have a 'B' qualifier attached since the

mercury result was below the reporting limit. Revised data was submitted by the laboratory.

Other Comments – Field duplicate precision was not met for pair SB-M5-3-19(0-0.75)/DUP for di-n-butlyphthalate.

SDG 0004149

Volatiles – Sample SB-J6-942A-04(0.5) was qualified as estimated for all compounds due to the surrogate recovery. Samples analyzed 4/27/00 were qualified as estimated for acrylonitrile, methylene chloride, 2-chlorovinyl ether, 1,2-dichloroethane, cis-1,3-dichloropropene, 1,1,2-trichloroethane, tetrachloroethene, dibromochloromethane, bromodichloromethane, bromoform, 1,1,2,2-tetrachloroethane, hexachlorobutadiene and naphthalene due to the CCAL recovery. Methylene chloride and chloroform were qualified as estimated in samples which contained these compounds at concentrations less than five times the associated blank concentration.

Semivolatiles – Sample SB-I5-8-01(0-2) was qualified as estimated for 2-chlorophenol, due to the matrix spike recovery. Acenaphthene was qualified as estimated for samples SB-H5-938-01(0-1) and SB-J6-942A-04(0-2), due to the LCS recovery. Compounds associated with the internal standard that was outside the control limits was qualified as estimated for sample SB-I5-8-01(0-2). Samples analyzed 5/26/00 were qualified as estimated for hexachlorocyclopentadiene, hexachlorobutadiene and benzene; samples analyzed 5/27/00 were qualified as estimated for bis(2-chloroethyl)ether, pyrene, di-n-octylphthalate and benzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - Samples FB-58 and SB-J6-8134-05(0-1) were qualified as estimated for nitrocellulose due to the LCS. All samples were qualified as estimated for nitrocellulose due to missed extraction holding times.

Metals – Sample SB-I5-8-01(0-2) was qualified as estimated arsenic, copper and zinc due to the matrix spike recovery. All soil samples were qualified as estimated for antimony because of the LCS, and for copper and lead due to the laboratory duplicate precision.

Other Comments – Field blank sample FB-58 contains copper (1.7 ug/L), nickel (2.2 ug/L) and zinc (10.1 ug/L).

SDG 0004080

Volatiles – All compounds for sample SB-I6-8171-06(0.5) were qualified as estimated due to the surrogate recovery. Several samples were qualified as 'U' for methylene chloride, bromomethane and chloroform due to blank contamination.

Semivolatiles – Compounds associated with the internal standard that was outside control limits for sample SB-L6-1-01(0-1.5) were qualified as estimated. Several compounds for FB-56 were qualified as estimated due to the CCAL recovery. Also, all soil samples were qualified as estimated for benzidine, due to the CCAL recoveries.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to the LCS recovery and holding time exceedance.

Metals – All soil samples were qualified as estimated for antimony due to the LCS and matrix spike recoveries. Sample SB-M5-14-04(0-1) was qualified as estimated for arsenic and zinc due to the matrix spike recovery. All soil samples were qualified as estimated for arsenic, lead, mercury and zinc for the laboratory duplicate precision and beryllium for the serial dilution. Sample FB-56 was qualified with a 'U' for zinc due to blank contamination.

Other Comments – Field duplicate precision was not met for arsenic, copper and lead for pair SB-M5-15-01(0-1)/DUP, and for copper and zinc for pair SB-L5-2313-17(0-2)/DUP. Field blank FB-56 contained 1,2,4-trichlorobenzene (1 ug/L), naphthalene (1 ug/L) and tetrachloroethene (2 ug/L).

SDG 0005009

Volatiles – NA

Semivolatiles – Sample FB-62 was extracted outside holding time, thus was qualified as estimated for all compounds. Samples SB-I9-3-01(0-1), SB-J9-1-02(0-0.75), SB-J9-2142-04(0-1), SB-I8-8336-01(0-1.25), SB-J9-1-02(0-0.75) and SB-J9-2142-04(0-1) were qualified as estimated for pyrene and 2,4-dinitrotoluene due to the LCS recoveries. Compounds associated with the internal standard that was outside control limits were qualified as estimated for sample SB-J9-1-02(0-0.75). All soil samples were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, phenol, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, isophorone, hexachlorobutadiene and 3,3'-dichlorobenzidine due to the CCAL, and benzidine due to the ICAL.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine — No qualification of data.

TPH/TOC/NC - – No qualification of data.

Metals – All soil samples were qualified as estimated for antimony due to the LCS recovery. Sample SB-I9-3-13(0-1.5) was qualified as estimated for arsenic and selenium due to the method blank.

Other Comments – Field duplicate precision was not met for chromium and nickel for pair SB-I9-3-11(0-1.5)/DUP.

SDG 0004148

Volatiles – All samples were qualified as estimated due to missed holding times. All samples were qualified with a 'U' for several compounds due to blank contamination. Trichloroethene was qualified as estimated in samples SB-I5-7-05(0.5) and SB-H6-8247-02(0.5) due to the initial calibration. All samples were qualified as estimated for acrolein, acrylonitrile and 2-chloroethylvinyl ether due to the CCAL.

Semivolatiles – Sample SB-J6-2-03(0-2) was qualified as estimated for all compounds due to the surrogate recovery. Acenaphthene was qualified as estimated in samples SB-H7-8255-02(0-1) and SB-I6-8171A-02(0-1) due to the LCS recovery. All samples were qualified as estimated for benzidine due to the initial calibration. Samples analyzed 5/29/00 were qualified as estimated for n-nitrosodimethylamine and bis(2-ethylhexyl)phthalate; samples analyzed 5/30/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether and hexachlorocyclopentadiene; samples analyzed 5/31/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'oxybis(1-chloropropane) and hexachlorocyclopentadiene due to the CCAL recovery.

Pesticides/PCBs – Samples SB-I5-1-02(0-1.5) and SB-I5-1-02(0-1.5)DUP were qualified as estimated for all PCBs due to the surrogate recovery.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene, 1,3-dinitrobenzene and nitrobenzene for sample SB-I6-8132-05(0-0.5), 4-amino-2,6-dinitrotoluene for sample SB-J6-8133-09(0-2); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-I6-8132-05(0-0.5); nitrobenzene for sample SB-J6-2-03(0-2). Nitrobenzene was qualified as estimated for sample SB-J6-2-03(0-2) due to the surrogate recovery.

TPH/TOC/NC - All nitrocellulose results were qualified as estimated due to missed holding times.

Metals – All samples were qualified as estimated for antimony due to the LCS recovery. Thallium and zinc were qualified as estimated in sample SB-I6-8181-01(0-0.5) due to the

matrix spike. All samples were qualified as estimated for arsenic, beryllium, chromium, copper, lead, nickel and zinc due to the laboratory duplicate precision.

Other Comments – Arsenic, zinc, nitrocellulose and diethylphthalate field precision were not met for pair SB-J6-2-03(0-2)/DUP. Fluoranthene, pyrene, benzo(b)fluoranthene, benzo(a)pyrene precision was not met for pair SB-H7-8255-02(0-1)/DUP.

SDG 0004152

Volatiles – NA

Semivolatiles – Samples analyzed 5/27/00 were qualified as estimated for n-nitrosodimethylamine, hexachlorobutadiene, hexachlorocyclopentadiene, pyrene and butylbenzylphthalate; samples analyzed 5/28/00 were qualified as estimated for n-nitrosodimethylamine, pentachlorophenol, indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene due to the CCAL recovery.

Pesticides/PCBs – The reporting limits for sample SB-H6-4-01(0-2) were incorrectly reported. The laboratory was contacted and the correct reporting limits were submitted. Data qualification was not required.

Explosives/ Nitroglycerine – Samples SB-L5-9546-03(0-1) and SB-L5-9546-03(0-1)DUP were qualified as estimated for nitrobenzene and sample SB-I5-3-03(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%. Sample SB-L5-9546-03(0-1)DUP was qualified as estimated for nitrobenzene due to the surrogate recovery. The laboratory was contacted regarding the reporting of sample SB-I5-3-03(0-1). Compound 2,4-dinitrotoluene was reported as BQL and should have been reported as 230 J ug/Kg as shown in the raw data. The laboratory re-submitted the correct (230 ug/Kg) result for the sample.

TPH/TOC/NC - All nitrocellulose results were qualified as estimated due to missed holding times. Sample FB-59 was qualified as estimated for nitrocellulose, due to the LCS recovery.

Metals – All soil samples were qualified as estimated for antimony due to the LCS recovery. All samples were qualified as estimated for lead due to the laboratory duplicate precision. Sample SB-L5-539-03(0-1) was qualified as estimated for thallium due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for nitrocellulose, di-n-butylphthalate, chromium and lead for pair SB-L5-9546-03(0-1). Field blank FB-59 contained copper (1.4 ug/L) and zinc (5.1 ug/L).

SDG 0005014

Volatiles – NA

Semivolatiles – Sample SB-I7-2-03(0-1.5) was qualified as estimated for 2,4-dinitrotoluene and sample SB-J6-2340-02(0-1.5) due to the LCS recovery. Sample FB-63 was qualified as estimated for di-n-octylphthalate due to the CCAL recovery. Samples analyzed 6/12/00 were qualified as estimated for bis(2-chloroethyl)ether due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples SB-I7-2133-03(0-1), SB-J7-2281-05(0-2) and SB-J7-2133-06(0-1.5); nitrobenzene for sample SB-J7-2133-01(0-1.5), 2,4-dinitrotoluene for sample SB-K6-8273-03(0-1); the following were qualified as estimated for the column percent difference exceeding 25%:2,4,6-trinitrotoluene, 2,4-dinitrotoluene and nitrobenzene for sample SB-I7-2133A-01(0-1.5); 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-J7-2-03(0-1.5) 2,4-dinitrotoluene for sample SB-I7-2133A-03(0-1); nitrobenzene for samples SB-J6-2340-02(0-1.5)DUP, SB-J7-2281-05(0-2) and SB-J6-2340-04(0-2), 2,4,6-trinitrotoluene for sample SB-J7-2133-01(0-1.5), 2,4-dinitrotoluene for samples SB-J7-2133-06(0-1.5) and SB-J7-241-05(0-1), 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-J7-2-03(0-1.5).

TPH/TOC/NC - Sample FB-63 was qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – All soil samples were qualified as estimated for antimony, and sample SB-J7-2-03(0-1.5) was qualified as estimated for mercury due to the LCS. All soil samples were qualified as estimated for lead, nickel and zinc due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for pair SB-J6-2340-02(0-1.5)/DUP for phenanthrene, fluoranthene, pyrene, benzo(a)anthracene and benzo(b)fluoranthene and for mercury for pair SB-J7-2218B-03(0-2). Field blank FB-63 contained zinc at 4.1 ug/L.

SDG 0004191

Volatiles – NA

Semivolatiles – Sample SB-J7-3-03(0-0.5) was qualified as estimated for 2,4-dinitrotoluene due to the matrix spike recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-L6-5-01(0-1.5), SB-F12-4-01(0-1.5), SB-F12-F6-01(0-2)DUP and SB-F8-575-04(0-1). Samples analyzed 5/31/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, hexachlorobutadiene, hexachlorocyclopentadiene and di-n-octylphthalate; samples analyzed 6/07/00 and 6/08/00 were qualified as estimated for n-

nitrosodimethylamine, 1,2-diphenylhydrazine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene and benzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Sample SB-F8-575-04(0-1) was qualified as 'R' for 2,4,6-trinitrotoluene due to the column percent difference exceeding 90%.

TPH/TOC/NC - Sample FB-60 was qualified as estimated for nitrocellulose, due to the LCS recovery.

Metals – All soil samples were qualified as estimated for antimony due to the LCS recovery. Copper, lead and zinc were qualified as estimated for all soil samples due to the laboratory duplicate. The holding time for mercury for all samples except FB-60 and SB-J7-3-03(0-0.5) were exceeded, thus mercury was qualified as estimated.

Other Comments – Field blank FB-60 contained zinc (4.9 ug/L). Field duplicate precision was not met for pair SB-F12-F6-01(0-2)/DUP and for copper and lead for pair SB-H8-2171-05(0-1.25)/DUP.

SDG 0004204

Volatiles – NA

Semivolatiles – All compounds were qualified as estimated for sample SB-I8-2328A-02(0-2) due to the surrogate recovery. Phenol, 2-chlorophenol, n-nitrosodi-n-propylamine, 4-chloro-3-methylphenol were qualified as estimated in sample SB-I8-2328A-02(0-2) due to the matrix spike recovery. Samples analyzed 5/31/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'-oxybis (1-chloropropane), hexachlorocyclopentadiene and benzidine; samples analyzed 6/01/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether and benzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples SB-I8-2328-02(0-2), SB-I8-2328-07(0-1.5), SB-I7-2124-06(0-2), SB-I7-566-02(0-1.5) and SB-I7-15-05(0-1.5); the following were qualified as estimated for the column percent difference exceeding 25%:2,4,6-trinitrotoluene and 2,4-dinitrotoluene for samples SB-I8-2138-03(0-2) and SB-I7-15-05(0-1.5), 2,4-dinitrotoluene for sample SB-I7-566-02(0-1.5) and SB-I7-15-05(0-1.5); 2,4,6-trinitrotoluene and HMX for samples SB-I8-2328A-02(0-2) and SB-I8-2328A-02(0-2); 2,4-dinitrotoluene and RDX for sample SB-I7-2305-02(0-1.25); 2,4,6-trinitrotoluene for sample SB-I7-2124-04(0-1.5). Sample SB-I8-9334-01(0-1) was qualified as estimated for 2,4,6-trinitrotoluene due to surrogate recovery.

TPH/TOC/NC - Samples SB-I8-9334-01(0-1), SB-I8-2328-02(0-2) and SB-I8-2138-03(0-2) were qualified as estimated for nitrocellulose due to missed holding times.

Metals – All soil samples were qualified as estimated for antimony and lead due to the LCS and laboratory duplicate precision, respectively. Sample SB-I8-2328A-02(0-2) was qualified as estimated for selenium, chromium, copper and mercury due to the LCS recovery.

Other Comments – Field duplicate precision was not met for pair SB-I7-15-05(0-1.5)/DUP for nitrocellulose.

SDG 0004192

Volatiles – NA

Semivolatiles – Sample SB-F9-2105A-04(0-1) was qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzidine and benzo(g,h,i)perylene due to the CCAL recovery. Di-n-butylphthalate was qualified as 'U' in sample SB-F9-2105A-04(0-1) due to blank contamination. Sample SB-F9-2105A-04(0-1) was reported 10-fold higher than the normal reporting limits, due to matrix interference.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-F9-2105A-04(0-1) was qualified as estimated for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-F9-2105A-04(0-1) was qualified as estimated for antimony due to the LCS and matrix spike recoveries and for arsenic, copper, lead and zinc due to the laboratory duplicate precision.

Other Comments – NA

SDG 0004190

Volatiles – NA

Semivolatiles – Sample SB-H6-4-02(0-1) was qualified as estimated for all compounds due to missed holding times. Samples analyzed 5/30/00 were qualified as estimated for hexachlorocyclopentadiene; samples analyzed 5/31/00 were qualified as estimated for indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene; samples analyzed 6/01/00 were

qualified as estimated for n-nitroso-di-n-propylamine, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol and benzidine; ; samples analyzed 6/02/00 were qualified as estimated for n-nitroso-di-n-propylamine, 4-chloro-3-methylphenol, 2,4-dinitrophenol, 4-nitrophenol, and benzidine, due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – NA

TPH/TOC/NC - No qualification of data.

Metals – All samples with the exception of SB-K5-4-01(0-0.5), SB-K5-4-01(0-0.5)DUP and SB-L5-8-05(0-2) of were qualified with a 'U' for mercury due to blank contamination. All samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries. Thallium was qualified as estimated in sample SB-L6-4-02(0-1) due to the matrix spike.

Other Comments – Field duplicate precision was not met for lead for pair SB-K5-4-01(0-0.5)DUP.

SDG 0005026

Volatiles –Samples SB-L5-5-01(0.5) and SB-I9-515-01(0.5) were qualified with a 'U' for methylene chloride and chloroform due to blank contamination.

Semivolatiles – Pyrene was qualified as estimated in samples SB-I9-520-03(0-1) and SB-I9-516-04(0-1) due to the LCS recovery. Compounds associated with the internal standard that exceeded control limits for sample SB-L5-5-01(0-2)DUP were qualified as estimated. Samples analyzed 6/08/00 were qualified as estimated for n-nitrosodimethylamine, 1,2-diphenylhydrazine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzidine and benzo(g,h,i)perylene; samples analyzed 6/09/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-I9-523-03(0-0.5) was qualified as estimated for 2,4-dinitrotoluene, and SB-I9-2311-01(0-1.5) was qualified as 'R' for 2,4,6-trinitrotoluene due to the column percent difference.

TPH/TOC/NC - No qualification of data.

Metals – All soil samples were qualified as estimated for antimony due to the matrix spike recovery and LCS recovery, and for arsenic due to the laboratory duplicate. Sample SB-I9-519-04(0-0.5) was qualified as estimated for selenium due to the matrix spike.

Other Comments –NA

SDG 0005062

Volatiles – NA

Semivolatiles – Compounds associated with the internal standard that exceeded control limits for samples SB-N7-2-07(0-1) and SB-N7-2-06(0-1) were qualified as estimated. Samples analyzed 6/12/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol and di-n-octylphthalate; also, field blank FB--65 was qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, 4-nitrophenol, benzidine and 1,2-diphenylhydrazine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples SB-L7-2131-04(0-1), SB-L7-2131-05(0-1.5), SB-L7-2131-05(0-1.5)DUP, SB-L6-2129-03(0-2), SB-L6-2129-05(0-1.5); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for samples SB-L7-2131-04(0-1), SB-L6-2129-05(0-1.5) and SB-08-392-02(0-2). Sample SB-L6-2129-05(0-1.5) was qualified as estimated for nitroglycerine due to the matrix spike and spike duplicate recovery results.

TPH/TOC/NC - Sample FB-65 was qualified as estimated for nitrocellulose due to the LCS recovery. Sample SB-L6-2129-05(0-1.5) was qualified as estimated for nitrocellulose due to the matrix spike recovery.

Metals – All soil samples in the SDG were qualified as estimated for arsenic, copper and lead due to the laboratory duplicate precision, and for antimony due to the LCS recovery.

Other Comments – Field blank FB-65 contained zinc at 5.4 ug/L. Field duplicate precision was not met for pair SB-L7-2131-05(0-1.5)/DUP for nitrocellulose.

SDG 0005015

Volatiles – NA

Semivolatiles – Samples analyzed 6/03/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, phenol, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, isophorone, hexachlorobutadiene and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-I9-524-01(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - No qualification of data.

Metals – All soil samples were qualified as estimated for antimony due to the matrix spike recovery. Mercury was estimated in sample SB-I10-2-02(0-2) due to the matrix spike recovery. Arsenic was qualified as estimated in all soil samples due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for mercury, lead and antimony for pair SB-I10-2-02(0-2)/DUP.

SDG 0005025

Volatiles – Sample FB-64 was qualified as 'U' for chloroform as a result of the trip blank containing chloroform, and as estimated for all compounds due to surrogate and internal standard recoveries. The laboratory submitted the re-analysis of sample FB-64 instead of the original run, which was incorrect in the case narrative. The holding time of the re-analysis exceeded two times the normal holding time, warranting rejection of the field blank. The laboratory was contacted and the original run was submitted. Samples FB-64 and trip -4/28/00 were qualified as estimated for chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane and benzene due to the LCS recovery. Samples analyzed on 5/11/00 were qualified as estimated for methylene chloride and acrolein.

Semivolatiles – Compounds associated with the internal standard outside specification were qualified as estimated for sample SB-K8-393-05(0-0.5). All compounds were qualified as estimated in sample SB-K8-393-05(0-0.5) due to surrogate recovery. N-nitroso-di-n-propylamine was qualified as estimated in sample SB-J9-4-03(0-1.25) due to the matrix spike recovery. Pyrene and 2,4-dinitrotoluene were qualified as estimated in samples SB-J9-4-03(0-1.25), SB-J9-3-03(0-0.75), and SB-K8-393-05(0-0.5), and pyrene was qualified in samples SB-I10-5878B-02(0-2) and SB-K8-1-01(0-1), due to the LCS recovery. Samples analyzed 5/14/00 were qualified as estimated for di-n-octylphthalate and benzidine; samples analyzed 6/02/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,4-dinitrophenol and benzidine; samples analyzed 6/03/00 were qualified as estimated for nitrosodimethylamine, bis(2-chloroethyl)ether, phenol, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, isophorone, hexachlorobutadiene and benzidine; samples analyzed 6/05/00 were qualified as estimated for nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'oxybis(1-chloropropane), nitrobenzene, isophorone, hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dimethyl-2-chlorophenol and di-n-octylphthalate ; samples analyzed 6/08/00 were qualified as estimated for nitrosodimethylamine, bis(2-chloroethyl)ether, n-nitroso-di-n-propylamine and benzidine;; samples analyzed 6/06/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples SB-J9-4-03(0-1.25), SB-L6-2128-05(0-1), SB-K7-2126-03(0-2), and SB-K7-2126-05(0-1.5); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for samples SB-J9-4-03(0-1.25), SB-K8-1-01(0-1), SB-K7-2132-05(0-2), SB-K7-2126-03(0-2) and for 2,4,6-trinitrotoluene for sample SB-K7-2125-05(0-2).

TPH/TOC/NC - Nitrocellulose was qualified as estimated in samples SB-J9-4-03(0-1.5) and SB-K7-2132-05(0-2) due to the matrix spikes.

Metals – Sample SB-J9-4-03(0-1.25) was qualified as estimated for copper and antimony due to the matrix spike.

Other Comments – Field blank FB-64 contained copper (2.8 ug/L) and zinc (6.4 ug/L). Trip blank Trip-4/28/00 contained chloroform at 2J ug/L.

SDG 0005077

Volatiles – NA

Semivolatiles – Samples analyzed 6/14/00 were qualified as estimated for hexachlorobenzene; samples analyzed 6/15/00 were qualified as estimated for 1,2-diphenylhydrazine, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the CCAL recovery. The reported date of analysis for sample SB-N7-574-02(0-2) was incorrect on the LIMS form, and should be corrected to 6/14/00.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: nitrobenzene for sample SB-07-9319-01(0-1.25),4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene for sample SB-K8-9207-02(0-1.25), 4-amino-2,6-dinitrotoluene for samples SB-M6-1-07(0-0.5), SB-M6-1-15(0-0.5) and 2,4,6-trinitrotoluene for sample SB-M8-9201-01(0-2); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4,6-trinitrotoluene for sample SB-07-9319-01(0-1.25), nitrobenzene for sample SB-07-9319-01(0-1.25)DUP. Sample SB-07-9319-01(0-1.25) was qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene due to the surrogate recovery.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – Antimony, selenium and thallium were qualified as estimated for sample SB-N7-574-02(0-2) due to the LCS recoveries. All samples were qualified as estimated for zinc due to the serial dilution.

Other Comments – Field duplicate precision was not met for arsenic, nickel and lead for pair SB-L7-8115-02(0-2)/DUP and for chromium, lead and nitrocellulose for pair SB-07-9319-01(0-1.25)/DUP.

SDG 0005124

Volatiles – NA

Semivolatiles – Samples analyzed 6/15/00 and 6/19/00 were qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-K11-3-02(0-1)DUP was qualified as estimated for 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, HMX and nitrobenzene due to the surrogate recovery. Sample SB-M8-2-05(0-1.5) was qualified as 'R' for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene, and sample SB-K11-3-02(0-1)DUP for HMX, 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to column percent difference exceeding 25%..

TPH/TOC/NC - No qualification of data.

Metals – All soil samples were qualified as estimated for antimony due to the LCS and matrix spike recoveries. Sample SB-K11-3-02(0-1)DUP was qualified as estimated for arsenic due to the matrix spike.

Other Comments – Only the duplicate sample, SB-K11-3-02(0-1)DUP was on the chain-of-custody form and submitted for analysis. An original sample was not on the custody form. Field duplicate precision was not met for pair SB-P7-4-01(0-2)/DUP for nitrocellulose.

SDG 0005079

Volatiles – NA

Semivolatiles – Sample SB-J10-9334-01(0-0.5) was qualified for all compounds due to surrogate recovery. Compounds associated with the internal standard that was outside specification was qualified as estimated for sample SB-J10-9334-01(0-0.5). Samples analyzed 6/14/00 were qualified as estimated for hexachlorobenzene; samples analyzed 6/16/00 were qualified as estimated for hexachlorocyclopentadiene, 3,3'dichlorobenzidine, bis(2-ethylhexyl)phthalate, di-n-octylphthalate and

benzo(g,h,i)perylene due to the CCAL recovery. Sample FB-67 was qualified as estimated for 2,2'-oxybis(2-chloroethyl)ether and pentachlorophenol due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 4-nitrotoluene for sample SB-J10-9334-01(0-0.5); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene, 2-nitrotoluene, nitrobenzene and 3-nitrotoluene for sample SB-J10-9334-01(0-0.5), and samples SB-J10-2-08(0-1), SB-J10-2-04(0-0.5), and SB-J10-2-11(0-1.5) for nitrobenzene.

TPH/TOC/NC - No qualification of data.

Metals – Field blank FB-67 was qualified as 'U' for zinc due to blank contamination.

Other Comments – Field blank FB-67 contained silver (0.7 ug/L) and lead (1,6 ug/L).

SDG 0005015

Volatiles – NA

Semivolatiles – Pyrene was qualified as estimated in samples SB-K8-9212A-01(0-1.5), SB-J9-2-02(0-1.5), SB-I11-9301-05(0-1) and SB-K8-9212-02(0-2), and 2,4-dinitrotoluene was qualified as estimated in sample SB-I11-9301-05(0-1) due to the LCS recovery. Samples analyzed 6/23/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, 2,4-dinitrophenol, 1,2-diphenylhydrazine and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-06-9224-03(0-2) was qualified as estimated for 2,4,6-trinitrotoluene due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: HMX for sample SB-06-9223-07(0-1.5) and SB-06-9223-07(0-1.5)DUP; the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-J8-9220-02(0-1.5), nitrobenzene for sample SB-J8-9220-05(0-2), and 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-06-9223-07(0-1.5).

TPH/TOC/NC - Several samples in the SDG were qualified as estimated due to the LCS recovery.

Metals – Sample SB-K8-9212A-01(0-1.5) was qualified as estimated for arsenic and selenium, and sample SB-P7-575-04(0-0.5). Sample FB-68 was qualified as estimated for zinc due to blank contamination.

Other Comments – Field blank FB-68 contained lead (1.7 ug/L).

SDG 0005121

Volatiles – NA

Semivolatiles – N-nitrosodi-n-propylamine was qualified as estimated in sample SB-M7-2-11(0-1.5) due to the matrix spike recovery. Samples analyzed 6/15/00 were qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol; samples analyzed 6/23/00 were qualified as estimated for n-nitrosodimethylamine , bis(2-chloroethyl)ether, 2,2'oxybis(1-chloropropane), n-nitroso-di-n-propylamine, 2,4,6-trichlorophenol, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol due to the CCAL recovery.

Pesticides/PCBs – Sample FB-69 was qualified as estimated for all PCBs due to the extraction holding time being exceeded.

Explosives/ Nitroglycerine – Sample SB-L7-2130-01(0-2)DUP was qualified as estimated for 2,4,6-trinitrotoluene due to the column percent difference exceeding 25%. Sample FB-69 was qualified as estimated for 2,6-dinitrotoluene due to the CCAL recovery.

TPH/TOC/NC - Nitrocellulose was qualified as estimated in sample SB-L7-2130-06(0-1) due to the LCS recovery. Total organic carbon (TOC) was qualified as estimated in sample SB-M7-2-05(0-1) due to the matrix spike recovery.

Metals – Sample SB-M7-2-04(0-2) was qualified as estimated for antimony and copper due to the matrix spike recovery. Sample FB-69 was qualified as estimated for zinc due to blank contamination.

Other Comments – Field blank FB-69 contained lead (1.7 ug/L) and bis(2-ethylhexyl)phthalate (4 ug/L). Field duplicate precision was not met for pair SB-L7-2130-06(0-1) for nitrocellulose.

SDG 0005120

Volatiles –NA

Semivolatiles – Acenaphthene was qualified as estimated in sample SB-S7-1-02(0-1) due to the LCS recovery. All samples were qualified as estimated for bis(2-chloroethyl)ether, 2,4-dinitrophenol and benzidine due to the CCAL recoveries.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Sample SB-P5-535-04(0-1) was qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene due to the surrogate recovery. Sample SB-L7-2130-01(0-2) was qualified as estimated for 2,4,6-trinitrotoluene due to the column percent difference exceeding 25%.

TPH/TOC/NC - No qualification of data.

Metals – Samples SB-P7-9209-03(0-2) and SB-P7-9209-03(0-2)DUP were qualified as estimated for mercury due to missed holding times. Sample SB-O7-576-02(0-1.5) was qualified as estimated for antimony, arsenic and selenium due to the matrix spike. All soil samples in the SDG were qualified as estimated for mercury due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for pair SB-P7-9209-03(0-2)/DUP

SDG 0005123

Volatiles – NA

Semivolatiles – Sample SB-K11-2225B-02(0-1.5) was qualified as estimated for n-nitroso-di-n-propylamine due to the LCS recovery. Sample FB-70 was qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene and 4,6-dinitro-2-methylphenol due to the CCAL recovery. Samples analyzed 6/19/00 were qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol and samples analyzed 6/20/00 were qualified as estimated for bis(2-chloroethyl)ether and 3,3'dichlorobenzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-K11-2225B-04(0-1) was qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene, sample SB-M8-2196-07(0-1.5) for 2,4,6-trinitrotoluene, and sample SB-M9-2193-01(0-1) for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 4-amino-2,6-dinitrotoluene for sample SB-O5-580.75-05(0-1.5), 2,4,6-trinitrotoluene and nitrobenzene for sample SB-K11-2225B-04(0-1), 2,4,6-trinitrotoluene for sample SB-K11-601-01(0-0.5), 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-K11-3-02(0-1), 2,4,6-trinitrotoluene for sample SB-M8-2196-07(0-1.5), 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-M9-2193-01(0-1), 2,4,6-trinitrotoluene for sample SB-M9-2192-05(0-1), and tetryl for sample SB-N6-640-03(0-1); the following were qualified as estimated for the column percent difference exceeding 25%: nitrobenzene for sample

SB-K11-3-02(0-1), 2,4-dinitrotoluene for sample SB-M9-2192-03(0-1) and 2,4-dinitrotoluene for sample SB-M9-2192-05(0-1).

TPH/TOC/NC - Samples SB-N6-640-03(0-1) and SB-N6-640-03(0-1)DUP were qualified as estimated for nitrocellulose due to the LCS recovery. Samples SB-N6-640-03(0-1) and SB-M9-2192-05(0-1) were qualified as estimated for nitrocellulose due to the matrix spike recovery. The date of extraction for nitrocellulose for samples SB-K11-2225B-04(0-1) and SB-K11-3-02(0-1) were incorrectly reported as being 6/13/00. The laboratory was contacted and revisions were submitted.

Metals – The holding time for mercury for samples SB-L9-8210-05(0-1) and FB-70 were exceeded, thus the results were qualified as estimated. Sample FB-70 was qualified as estimated for zinc due to blank contamination. The majority of the samples in the SDG were qualified with a 'U' for cadmium due to blank contamination. Sample SB-K11-2225B-02(0-1.5) was qualified as estimated for arsenic, antimony and selenium due to the LCS recovery. All soil samples were qualified as estimated for arsenic, beryllium, chromium, copper, lead, nickel and zinc due to the laboratory duplicate.

Other Comments – Field duplicate precision was not met for pair SB-N6-640-03(0-1)/DUP for nitrocellulose, chromium, nickel and zinc.

SDG 0004205

Volatiles – NA

Semivolatiles – All soils were extracted on day past the holding time, thus all soil samples were qualified as estimated for al compounds. Compounds associated with the internal standard that was outside control limits were qualified as estimated for sample SB-J8-2354-02(0-1.5). The concentration of di-n-butylphthalate was too high to apply a 'U' for blank contamination. Samples SB-I9-2-01(0-1), SB-I9-2-01(0-2)DUP and SB-I8-2405-06(0-2)DUP were qualified as estimated for 2,4-dinitrophenol due to the LCS recovery. Several samples were qualified with a 'U' for di-n-butylphthalate and bis(2-ethylhexyl)phthalate due to blank contamination. Samples analyzed 5/30/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether and hexachlorocyclopentadiene; samples analyzed 5/31/00 were qualified as estimated for indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene; samples analyzed 6/02/00 were qualified as estimated for n-nitroso-di-n-propylamine, 4-chloro-3-methylphenol, 2,4-dinitrophenol, 4-nitrophenol and benzidine; samples analyzed 6/03/00 were qualified as estimated for n-nitrosodimethylamine, 4-nitrophenol and di-n-octylphthalate; samples analyzed 6/09/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, phenol, 1,2-diphenylhydrazine and benzidine; and samples analyzed 6/12/00 were qualified as estimated for hexachlorocyclopentadiene and di-n-octylphthalate due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Nitroglycerine for sample SB-I8-588E-06(0-1) was reported as 6600 BQL but should have been 6500. The LIMs form was manually corrected and submitted to Montgomery Watson. Sample SB-06-9224-03(0-2) was qualified as estimated for 2,4,6-trinitrotoluene due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for sample SB-J8-2354-02(0-1.5), 4-amino-2,6-dinitrotoluene for samples SB-I8-2405-06(0-2) and SB-I8-2405-06(0-2)DUP; the following were qualified as estimated for the column percent difference exceeding 25%: 2-amino-4,6-dinitrotoluene for samples SB-I8-2405-06(0-2) and SB-I8-2405-06(0-2)DUP.

TPH/TOC/NC - No qualification of data.

Metals – Cadmium was qualified as estimated for SB-I9-2-01(0-1), SB-J8-2354-05(0-1) and SB-I8-588E-06(0-1) due to blank contamination. Sample FB-61 was qualified as 'U' for zinc due to blank contamination.

Other Comments – Field blank FB-61 contained mercury (0.1 ug/L) and copper (1.3 ug/L). Field duplicate precision was not met for pair SB-I8-2405-06(0-2)/DUP for arsenic, chromium, copper, nickel and zinc and for pair SB-I9-29-01(0-1)/DUP for di-n-butylphthalate.

SDG 0005067

Volatiles – NA

Semivolatiles – Phenol was qualified as estimated in sample SB-N7-573-01(0-1) due to the matrix spike. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-R5-1-01(0-1.25) and SB-N7-573-01(0-1). Samples analyzed 6/9/00 were qualified as estimated for bis(2-chloroethyl)ether and pentachlorophenol, and samples analyzed 6/14/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:), 4-amino-2,6-dinitrotoluene and 1,3-dinitrobenzene for sample SB-K9-9204-01(0-1.5), 1,3-dinitrobenzene for sample SB-K9-9204-05(0-2) and 2,4,6-trinitrobenzene for sample sample SB-K9-9203-07(0-0.5); the following were qualified as estimated for the column percent difference exceeding 25%: nitrobenzene for sample SB-K9-9204-05(0-2) and 2,4-dinitrotoluene for sample SB-N7-573-01(0-1).

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-N7-573-01(0-1) was qualified as estimated for antimony, copper, selenium and thallium due to the matrix spike. All soil samples were qualified as estimated for copper, mercury and nickel due to the laboratory duplicate precision.

Other Comments – Field blank FB-66 contained chromium (2.9 ug/L) and zinc (6.1 ug/L).

SDG 0005175

Volatiles – Na

Semivolatiles – Compounds associated with internal standards that exceeded control limits were qualified as estimated for sample SB-K10-2266-04(0-1). Samples analyzed 5/30/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, hexachlorobutadiene and hexachlorocyclopentadiene; samples analyzed 6/25/00 were qualified as estimated for hexachlorocyclopentadiene, n-nitrosodiphenylamine, bis(2-ethylhexyl)phthalate, di-n-octylphthalate and benzidine; samples analyzed 6/26/00 were qualified as estimated for 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, di-n-octylphthalate and benzidine due to the CCAL recovery. The laboratory reported dimethylphthalate at 630 and 88 ug/Kg in samples SB-K10-1-01(0-1.25) SB-L10-2191-02(0-1.5). These detects should have been for diethylphthalate. Revisions were submitted.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:), 2,4,6-trinitrotoluene and HMX for sample SB-L10-2191-02(0-1.5), 2,4,6-trinitrotoluene for sample SB-K10-2090-01(0-1.5), 2,4-dinitrotoluene for sample SB-K10-2090-04(0-1.25); the following were qualified as estimated for the column percent difference exceeding 25%: 2,4-dinnitrotoluene for samples SB-K10-2090-08(0-1), SB-K10-2090-08(0-1)DUP and SB-K10-2266-04(0-1).

TPH/TOC/NC - No qualification of data.

Metals – Samples SB-K10-2090-08(0-1) and SB-K10-2090-08(0-1)DUP were qualified with a 'U' for cadmium due to blank contamination. Sample SB-O8-2274-01(0-1) was qualified as estimated for antimony, lead and selenium and sample SB-K10-1-01(0-1.25) due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for lead and chromium for pair SB-L10-1-02(0-1.5)/DUP and for lead and nitrocellulose for pair SB-K10-2090-08(0-1)/DUP.

SDG 0005186

Volatiles – Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-J11-1-14(0.5), SB-J11-1-17(0.5) and SB-K10-6-02(0.5). All samples were qualified as estimated for methylene chloride, acrolein, trans-1,2-dichloroethene, acrylonitrile and dibromochloromethane due to the CCAL. Methylene chloride, 1,2,4-trichlorobenzene and naphthalene were qualified as 'U' in samples, due to the blank.

Semivolatiles – Samples SB-K11-2302-05(0-0.75)DUP and SB-J11-1-07(0-1.25) were qualified as estimated for all compounds due to surrogate recovery. Samples analyzed 6/21/00 were qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene and benzidine; samples analyzed 6/22/00 were qualified as estimated for hexachlorocyclopentadiene and di-n-octylphthalate; samples analyzed 6/23/00 were qualified as estimated for hexachlorocyclopentadiene, 4-nitrophenol and benzidine due to the CCAL recovery**.**

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:), 2,4,6-trinitrotoluene for samples SB-J11-1-02(0-1), SB-K11-2300-05(0-1.5), SB-K11-2302-03(0-1.5) and SB-K11-2302-05(0-0.75)DUP; 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for samples SB-K11-1-04(0-1), SB-K11-2300-01(0-1); tetryl and 2,4,6-trinitrotoluene for sample SB-K11-2302-05(0-0.75).

TPH/TOC/NC - – No qualification of data.

Metals – Samples SB-K11-604-02(0-1.25) and SB-K11-2300-05(0-1.5) were qualified as 'U' for cadmium due to blank contamination. Sample SB-K11-2264-04(0-1.5) was qualified as estimated for antimony due to matrix spike recovery.

Other Comments – Field duplicate precision was not met for pair SB-K11-1-05(0-1.25)/DUP for nitrocellulose.

SDG 0005188

Volatiles – Methylene chloride was qualified as estimated in several samples due to blank contamination. All soil samples were qualified as estimated for methylene chloride, trans-1,2-dichloroethene, acrolein, acrylonitrile and dibromochloromethane due to the CCAL recovery.

Semivolatiles – Sample SB-L10-2316-02(0-1) was qualified as estimated due to the matrix spike recovery. Compounds that were associated with internal standards outside control limits were qualified as estimated in samples SB-L10-8215-02(0-1), SB-L10-725-01(0-1), SB-L11-1-04(0-1) and SB-L10-2088-02(0-1). Field blank FB-72 was qualified with a 'U' for bis(2-ethylhexyl)phthalate and di-n-butylphthalate in several samples due to blank contamination. There were concentrations of di-n-butylphthalate that were too

high to qualify as 'U' based on the associated blank concentration. Samples analyzed 6/26/00 were qualified as estimated for 2,2'oxybis(1-chloropropane), 4,6-dinitro-2-methylphenol and benzo(g,h,i)perylene; samples analyzed 6/30/00 were qualified as estimated for 4-nitrophenol samples analyzed 6/23/00 were qualified as estimated for hexachlorocyclopentadiene, butylbenzylphthalate, bis(2-chloroethyl)ether, di-n-octylphthalate and benzo(g,h,i)perylene, due to the CCAL recovery**.**

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2,4,6-trinitrotoluene for samples SB-L10-2088-02(0-1), SB-M10-724-01(0-0.5) and SB-M10-7-02(0-0.5); 2,4-dinitrotoluene for sample SB-L10-725-01(0-1); 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample SB-L10-2-02(0-1); and sample SB-L11-2089-01(0-1) was qualified as estimated for 2,4-dinitrotoluene due to the percent difference exceeding 25%.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the LCS recovery. Sample SB-L10-2088-02(0-1) was qualified as estimated for nitrocellulose due to the holding time.

Metals – Antimony, chromium and copper were estimated in sample SB-L10-2316-02(0-1) due to the matrix spike.

Other Comments – Field duplicate precision was not met for nitrocellulose for pair SB-L10-6-05(0-2) and benzo(k)fluoranthene for SB-L11-2226-02(0-1.5).

SDG 0005192

Volatiles –

Semivolatiles – Samples SB-K10-2197-05(0-1.25), SB-K10-2197A-01(0-1) and SB-J11-10-05(0-1.5) were qualified as estimated due to the surrogate recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-K10-2197A-01(0-1), SB-K10-2197-05(0-1.25) and SB-J11-10-05(0-1.5). Samples analyzed 6/28/00 were qualified as estimated for n-nitrosodiphenylamine, 1,2-diphenylhydrazine, 4-bromophenyl phenylether, pyrene, butlybenzylphthalate, bis(2-ethylhexyl)phthalate, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene and benzidine; samples analyzed 6/29/00 were qualified as estimated for benzo(g,h,i)perylene; samples analyzed 6/30/00 were qualified as estimated for hexachlorocyclopentadiene , 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, dibenz(a,h)anthracene and benzidine; samples analyzed 6/22/00 were qualified as estimated for 4,6-dinitro-2-methylphenol, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene, due to the CCAL recovery. Several samples were qualified with a 'U' for di-n-butylphthalate due to blank contamination. However, there were samples that remained unqualified since the sample concentrations exceeded the criteria for blank adjustment.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-J11-14-03(0-1.25) and SB-M9-2261-01(0-2) were qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene, and sample SB-M10-6-02(0-2) for nitroglycerine, due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2,4,6-trinitrotoluene for samples SB-K10-2197A-01(0-1), SB-K10-2197-05(0-1.25) and SB-M9-2292-01(0-1); 2,4,6-trinitrotoluene and nitrobenzene for samples SB-J11-14-03(0-1.25) and SB-M9-2261-01(0-1); 2,4-dinitrotoluene for sample SB-M9-3-01(0-1.25); and sample SB-K10-2197A-05(0-1.25) was qualified as estimated for 2,4,6-trinitrotoluene and 2,4-dinitrotoluene due to the percent difference exceeding 25%.

TPH/TOC/NC - No qualification of data.

Metals – Arsenic, chromium and copper were qualified as estimated for all soil samples due to the laboratory duplicate. Chromium, selenium and zinc were qualified as estimated in sample SB-M10-6-02(0-2) due to the matrix spike recovery. Field blank FB-73 was qualified with a 'U' for zinc due to blank contamination.

Other Comments – Field duplicate precision was not met for nitrocellulose for pair SB-K10-602B-03(0-1.5)/DUP and zinc for pair SB-M10-B14-01(0-1)/DUP. Several SVOC samples had higher reporting limits than normal due to the extract, which could not be evaporated to the level needed to achieve the lowest reporting limits.

SDG 0005205

Volatiles – All soil samples were qualified as estimated for chloroethane and bromomethane, due to the CCAL recovery. Methylene chloride and naphthalene were qualified as estimated for sample TB-5-25 due to the CCAL recovery. Sample SB-M9-2251-03(0.5) was qualified as 'U' for 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene and methylene chloride, and the remaining samples were qualified with a 'U' for methylene chloride and naphthalene due to blank contamination.

Semivolatiles – Sample SB-I11-1-03(0-1) was qualified as estimated for all compounds, due to the surrogate recovery. Samples analyzed 7/11/00 were qualified as estimated for 3,3'-dichlorobenzidine, samples analyzed 7/12/00, 7/14/00 and 7/18/00 were qualified as estimated for benzidine, due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2,4,6-trinitrotoluene for sample SB-N9-2269-04(0-1.5), tetryl for sample SB-L11-2225-02(0-1.5) and sample SB-L11-2225-02(0-1.5) was qualified as estimated for 2,4,6-

trinitrotoluene and SB-L11-2225-05(0-1) for nitrobenzene, due to the percent difference exceeding 25%.

TPH/TOC/NC - Nitrocellulose was qualified as estimated in sample SB-N8-2304-01(0-1) due to the matrix spike recovery.

Metals – Sample SB-I11-7-03(0-2) was qualified with a 'U' for cadmium due to blank contamination. All soil samples in the SDG were qualified as estimated for zinc due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for 2,4-dinitrotoluene for pair SB-M9-2251-03(0-1)/DUP.

SDG 0005207

Volatiles – Samples analyzed 5/25/00 were qualified as estimated for chloromethane, bromomethane, acrolein, carbon tetrachloride, 2-chloroethylvinyl ether, 1,2,4-trichlorobenzene and naphthalene; samples analyzed 5/31/00 were qualified as estimated for for chloromethane, bromomethane, acrolein, 2-chloroethylvinyl ether and cis-1,3-dichloropropene; samples analyzed 6/1/00 were qualified as estimated for bromomethane, chloroethane, acrolein, acrylonitrile and 2-chloroethylvinyl ether, due to the CCAL recovery.

Semivolatiles – Sample SB-K10-2-02(0-1.5) was qualified as estimated for all compounds due to surrogate recovery. Sample SB-J11-2296-04(0-1.5) was qualified as estimated for 4-chloro-3-methylphenol due to the matrix spike recovery. Compounds associated with internal standards that exceeded control limits for sample SB-K10-2-02(0-1.5) were qualified as estimated. Samples analyzed 6/21/00 were qualified as estimated for 1,2-diphenylhydrazine, bis(2-ethylhexyl)phthalate and benzidine; samples analyzed 7/8/00 were qualified as estimated for 3,3'-dichlorobenzidine, due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples SB-K10-2-02(0-1.5) and SB-J11-2296-04(0-1.5) were qualified as estimated for nitrobenzene and 2,4,6-trinitrotoluene, respectively, due to surrogate recovery. Sample SB-K10-2-02(0-1.5) was qualified as R for nitrobenzene, and samples SB-J11-B25-02(0-1.5) and SB-J10-8280-01(0-1)DUP for 2,4-dinitrotoluene, due to the column percent difference exceeding 90%.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-J11-2296-04(0-1.5) was qualified with a 'U' for cadmium and FB-75 for zinc, due to blank contamination. All soil samples were qualified as estimated for zinc due to the laboratory duplicate precision. Sample SB-J11-2296-04(0-1) was qualified as estimated for antimony, selenium and zinc due to the matrix spike.

Other Comments – Field duplicate precision was not met for pair SB-J10-8280-01(0-1)/DUP for zinc and pair SB-K10-2-05(0-1.5)/DUP for nitrocellulose.

SDG 0005208

Volatiles – NA

Semivolatiles – Compounds associated with internal standards that exceeded control limits for samples SB-L11-2298-04(0-1.25) and SB-M10-2262-05(0-1) were qualified as estimated. Samples analyzed 6/30 were qualified as estimated for 4-nitrophenol; samples analyzed 7/1/00 were qualified as estimated for 1,2,4-trichlorobenzene, hexachlorobutadiene, 2,4-dinitrophenol and benzo(g,h,i)perylene; samples analyzed 7/5/00 were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-J11-8265-04(0-1) and SB-J11-2188-03(0-1.25) were qualified as estimated for 2,4,6-trinitrotoluene, 2,4-dinitrotoluene and nitrobenzene due to the surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2-amino-4,6-dinitrotoluene for sample SB-J12-3-02(0-2), nitrobenzene for sample SB-J11-2188-06(0-1.25), and 2,4,6-trinitritoluene for sample SB-J11-2298-04(0-1.25); and samples SB-J11-317-01(0-1.5) and SB-J11-2298-04(0-1.25) were qualified as estimated for 2,4-dinitrotoluene, and SB-J11-8265-04(0-1) for nitrobenzene and 2,4-dinitrotoluene due to the percent difference exceeding 25%.

TPH/TOC/NC - Nitrocellulose was qualified as estimated for samples SB-J11-8265-04(0-1), SB-J11-2188-03(0-1.25), SB-J11-2188-06(0-1.25) , SB-J11-2188-06(0-1.5) and SB-J11-2298-04(0-1.25), due to the LCS recovery. All soil samples were qualified as estimated for TOC due to missed holding times.

Metals – All soil samples in the SDG were qualified as estimated for mercury due to missed holding times. Cadmium was qualified as 'U' for samples SB-N9-2195-02(0-1.5), SB-N9-2195-05(0-1), SB-M10-2262-05(0-1), SB-J12-3-02(0-2), SB-J12-2-03(0-1.5), SB-J12-2-03(0-1.5)DUP, SB-J11-317-03(0-1), SB-J11-317-05(0-1) and SB-J11-317-06(0-2) due to blank contamination. Sample SB-J11-317-06(0-2) was qualified as estimated for antimony and arsenic due to the matrix spike recovery. All soil samples were qualified as estimated for copper and lead due to the laboratory duplicate precision.

Other Comments – Field blank FB-74 contained silver (0.7 ug/L), copper (1.7 ug/L) and zinc (4.4 ug/L). Field duplicate precision was not met for pair SB-J12-2-03(0-1.5)/DUP for zinc.

SDG 6010

Volatiles – NA

Semivolatiles – Samples analyzed 7/13/00 were qualified as estimated for bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), hexachlorobenzene, 3,3'-dichlorobenzidine; samples analyzed 6/28/00 were qualified as estimated for bis(2-ethylhexyl)phthalate and benzidine. Sample FB-77 was qualified as 'U' for bis(2-ethylhexyl)phthalate due to blank contamination.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – NA

TPH/TOC/NC - No qualification of data.

Metals – The prep data for mercury on sample FB-77 was listed as 8/8/00 when the analysis data was 7/7/00. The laboratory was contacted and revisions were submitted.…All soil samples were estimated for lead due to the laboratory duplicate precision. Field blank FB-77 was qualified as 'U' for copper due to blank contamination.

Other Comments – Field duplicate precision was not met for copper for pair SB-I12-11-08(0-1)/DUP.

SDG 0005068

Volatiles – NA

Semivolatiles – Acenaphthene was qualified as estimated for sample .SB-O8-3-18(0-1) due to the laboratory control sample recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – All soil samples were qualified as estimated for antimony and lead due to the laboratory control sample and laboratory duplicate, respectively.

Other Comments – none.

SDG 6042

Volatiles – Samples analyzed 6/14/00 were qualified as estimated for 2-chloroethyl vinyl ether and samples analyzed 6/15/00 were qualified as estimated for bromomethane and acrolein due to the CCAL. The trip blank sample was qualified as estimated for carbon

tetrachloride due to the CCAL. The trip blank sample should have been reported with a 'B' qualifier due to blank contamination. The laboratory was contacted and revisions were submitted... Trip blank was qualified with a 'U' for methylene chloride due to blank contamination. Samples SB-I12-13-03(0.5), SB-I12-8581-04(0.5), SB-I11-9111-04(0.5), SB-I11-8504-06(0.5), SB-I11-8504-04(0.5) and SB-I11-8504-03(0.5) were qualified with a 'U' for methylene chloride; sample SB-I12-12-01(0.5) for 1,2,4-trichlorobenzene,hexachlorobutadiene, naphthalene and methylene chloride; sample SB-I11-8504-04(0.5) for naphthalene; sample SB-I11-8504-03(0.5) for naphthalene and 1,2,4-trichlorobenzene, due to blank contamination.

Semivolatiles – Sample SB-I12-10-03(0-2) was qualified as estimated for 1,2,4-trichlorobenzene due to the matrix spike recovery. Samples analyzed 7/15/00 were qualified as estimated for bis(2-ethylhexyl)phthalate; samples analyzed 7/19/00 were qualified as estimated for hexachlorocyclopentadiene, 4-nitrophenol, di-n-butylphthalate and bis(2-ethylhexyl)phthalate; samples analyzed 7/20/00 were qualified as estimated for hexachlorocyclopentadiene and benzidine due to the CCAL.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – All samples were qualified with an 'R' for tetryl due to the LCS recovery being less than 10 percent. Samples SB-I11-8504-04(0-1) and SB-I11-8504-06(0-0.5) were qualified as 'R' for nitrobenzene, and sample SB-H13-2014-01(0-1.5) for HMX, 2,4,6-trinitrotoluene and nitrobenzene due to the column percent difference exceeding 90%. Sample SB-H13-2014-01(0-1.5) was qualified as estimated for 2,4-dinitrobenzene due to the column percent difference exceeding 25%. Sample SB-H13-2014-01(0-1.5) was reported as BQL for 2,4-dinitrotoluene for the undiluted sample. The result should have been reported as 140000E ug/KG. The laboratory was contacted and the data were revised in the electronic data provided to Montgomery Watson.

TPH/TOC/NC - Nitrocellulose was qualified in all samples in the SDG due to the holding time being exceeded. The laboratory was contacted regarding the nitrogen nitrate/nitrite values being slightly higher in the raw data spreadsheets than in the LIMS forms. The numbers reported appeared to be more that rounding differences.

Metals – The holding time for mercury for samples SB-I12-2010-05(0-1.5), SB-I12-9112-04(0-1)DUP, SB-I12-2186-13(0-1), SB-I12-2186-06(0-1), SB-I12-2186-03(0-1) and SB-I11-8504-03(0-1) was exceeded, which resulted in estimated qualification of the results. All antimony results were qualified as estimated due to the LCS and matrix spike recoveries. Sample SB-I12-10-03(0-2) was qualified as estimated for arsenic due to the matrix spike. All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for pair SB-I12-9-01(0-1)/DUP for PCB 1254. The trip blank contained naphthalene (2 J ug/L).

SDG 6078

Volatiles – NA

Semivolatiles – All samples in the SDG were qualified as estimated for n-nitrosodinpropylamine due to the LCS recovery. Sample SB-A11-8-02(0-1.5) was qualified as estimated for 4-chloro-3-methylphenol and phenol due to the matrix spike. Compounds associated with internal standards that exceeded control limits for samples SB-A12-4-02(0-1.25) and SB-B11-523-01(0-2) were qualified as estimated. Samples analyzed 7/10/00 were qualified as estimated for 2,2'-oxybis(1-chloropropane), n-nitrosodi-n-propylamine, hexachlorocyclopentadiene and 3,3'-dichlorobenzidine; samples analyzed 7/14/00 were qualified as estimated for 2,2'-oxybis(1-chloropropane), n-nitrosodi-n-propylamine, nitrobenzene, hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol; samples analyzed 7/17/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), n-nitrosodi-n-propylamine, nitrobenzene and 3,3'dichlorobenzidine, due to the CCAL. Field blank FB-80 was qualified as estimated for hexachlorocyclopentadiene due to the CCAL. Bis(2-ethylhexyl)phthalate was qualified as estimated in samples SB-A11-8-02(0-1.5), SB-A12-4-02(0-1.25), SB-A11-570-01(0-2), SB-B11-523-01(0-2) and SB-B11-663-06(0-4) due to blank contamination. Several samples have a 'B' handwritten on the LIMs forms. The laboratory was contacted to ensure that the 'B' qualifier will be included in the EDD to Montgomery Watson.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-B11-663-06(0-4) was qualified as estimated for 2,4,6-dinitrotoluene and FB-80 for nitroglycerine, due to the holding time being exceeded. Sample SB-B11-663-06(0-4) was qualified as estimated for 1,3,5-trinitrobenzene and 2,4-dinitrotoluene the column percent difference exceeding 25% and as 'R' for 4-amino-2,6-dinitrotoluene, 2-amino-4,6-trinitrotoluene and nitrobenzene for the column percent difference exceeding 90%.

TPH/TOC/NC - No qualification of data.

Metals – The mercury preparation data for all soil samples was incorrect for the SDG. The laboratory was contacted and revised data were submitted. Copper was qualified as 'U' for FB-80, and cadmium for samples SB-A11-8-02(0-1.5)MS/MSD, SB-A11-8-02(0-1.5), SB-A12-6-02(0-2)DUP, and SB-A12-6-02(0-2) due to blank contamination. Sample SB-B11-663-06(0-4) was qualified as estimated for antimony, copper, thallium and zinc due to the matrix spike.

Other Comments – Field duplicate precision was not met for lead for pair SB-A11-8-02(0-1.5).

SDG 6044

Volatiles – NA

Semivolatiles – Sample H8-2181-05(0-1.5) was qualified as estimated for all compounds due to the surrogate recovery. Acenaphthene was qualified as estimated in samples SB-I11-9303-02(0-1) and SB-G13-1-03(0-2)DUP due to the LCS recoveries. The LIMS identification for FB-79 should be FB-78 for one of the two samples reported. Samples analyzed 7/19/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), n-nitroso-di-n-propylamine, nitrobenzene, isophorone, benzidine, hexachlorocyclopentadiene, 3,3'-dichlorobenzidine; samples analyzed 7/19/00 were qualified as estimated for , 2,2'-oxybis(1-chloropropane), 2,4-dinitrophenol and 3,3'-dichlorobenzidine; samples analyzed 7/14/00, 7/18/00 and 7/19/00 were qualified as estimated for benzidine, due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Samples FB-78 and FB-79 were qualified as estimated for nitroglycerine due to missed holding times. All soil samples in the SDG were qualified as estimated for tetryl due to the low LCS recovery (<10%). Sample SB-I11-9303-02(0-1) was qualified as 'R' for nitrobenzene due to the column percent difference exceeding 90%, and sample SB-I11-9303-02(0-1) was qualified as estimated for 2,4-dinitrotoluene, due to the column percent difference exceeding 25%.

TPH/TOC/NC - All soil ammonia-nitrogen, nitrocellulose and nitrate/nitrite nitrogen results on the raw LIMS forms were not reflected in the raw data. The laboratory was contacted and revised data were submitted.

DDNP - Sample H8-2181-0510-1) was qualified as estimated for DDNP due to the matrix spike recovery. Sample FB-79 was qualified as estimated for DDNP due to holding time exceedance.

Metals – Sample SB-G13-1-03(0-2) was qualified as estimated for antimony due to the LCS recovery. Sample FB-79 was qualified as 'U' for copper and lead and sample FB-78 was qualified as 'U' for copper and zinc due to blank contamination. Lead was reported at too high a concentration to qualify the lead due to the method blank.

Phenolics - No qualification of data.

Other Comments – Field duplicate precision was not met for pair SB-I12-1-04(0-1)/DUP for 2,4-dinitrotoluene. Field blank FB-78 contained cadmium (0.438 ug/L), chromium (4.94 ug/L) and lead (39 ug/L).

SDG 6104

Volatiles – NA

Semivolatiles – All soil samples were qualified as estimated for n-nitroso-di-n-propylamine, due to the LCS and matrix spike recoveries. Sample SB-H9-3-03(0-2) was qualified as estimated for 1,2,4-trichlorobenzene, 4-chloro3-methylphenol and pyrene due to the matrix spike. Samples analyzed 7/18/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), n-nitroso-di-n-propylamine, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and 3,3'-dichlorobenzidine; samples analyzed 7/19/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), n-nitroso-di-n-propylamine, nitrobenzene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and benzidine; samples analyzed 7/17/00 were qualified as estimated for benzidine, due to the CCAL recovery.

Pesticides/PCBs – Sample SB-H10-9308-03(0-2) was reported at a 2x dilution and should have been reported at the undiluted analysis with the exception of AR1260 which should have been reported from the 2x dilution... Also, the preparation date for sample SB-G9-8205-02(0-1.25) was incorrect. The laboratory was contacted and revisions were submitted.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - All nitrocellulose results were qualified as estimated due to missed holding times (1 day out).

Metals – Sample SB-H9-3-03(0-2) was qualified as estimated for copper and zinc due to the matrix spike recoveries. All soil samples were qualified as estimated for antimony and lead due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for mercury, chromium, zinc, thallium, beryllium, copper and lead for pair SB-G9-15-02(0-2)/DUP.

SDG 6105

Volatiles – NA

Semivolatiles – Several samples were qualified as 'U' for benzo(a)pyrene and/or benzo(g,h,i)perylene due to blank contamination. All compounds for FB-82 were qualified as estimated due to the surrogate recovery. Sample SB-F10-3-07(0-1) was qualified as 'R' for 2,4-dinitrotoluene and as estimated for 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol, acenaphthene and pentachlorophenol. Sample SB-N9-2267-03(0-1.5) was qualified as estimate for di-n-butylphthalate and n-nitrosodiphenylamine due to missed holding times and also compounds associated with internal standards outside control limits were qualified as estimated for samples SB-N9-2267-03(0-1.5) and SB-E9-2296C-01(0-2). Samples analyzed 7/20/00 were qualified as estimated for hexachlorocyclopentadiene and benzidine; samples analyzed 7/21/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol, 4-nitrophenol, di-n-butlyphthalate, butyl benzylphthalate, bis(2-ethylhexyl)phthalate, di-n-octylphthalate and benzidine; samples analyzed 7/22/00 were qualified as estimated for hexachloroethene,

hexachlorocyclopentadiene, 4-nitrophenol, butyl benzylphthalate, benzidine and bis(2-ethylhexyl)phthalate; samples analyzed 7/26/00 were qualified as estimated for hexachloroethene, hexachlorocyclopentadiene, 4-nitrophenol and benzidine.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – Sample SB-F10-3-07(0-1) was qualified as estimated for al compounds due to the surrogate recovery. All soil samples were qualified as 'R' for tetryl due to the very low LCS recovery. . The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2,4,6-trinitrotoluene and nitrobenzene for sample SB-N9-2267-03(0-1.5), 2,4,6-trinitrotoluene for sample SB-F10-3-07(0-1), nitrobenzene for sample SB-E9-2-01(0-1.5); and nitrobenzene and 2,4-dinitrotoluene for sample SB-H10-9001-03(0-1). The following compounds were qualified as 'J' for the indicated samples due to the column percent difference exceeding 25%: nitrobenzene for sample SB-G12-6-03(0-1), 1,3,5-trinitrobenzene for sample SB-F10-3-07(0-1). Samples FB-81 and FB-82 were qualified as estimated for nitroglycerin due to the holding times being exceeded. All of the preparation holding times were incorrectly reported on the LIMS forms. The laboratory was contacted and revisions were submitted.

TPH/TOC/NC - All nitrocellulose result were qualified as estimated due to missed holding times.

Metals – Samples FB-81 and FB-82 were prepared outside the required holding times for samples FB-81 and FB-82. The mercury results for these samples were qualified as estimated. Cadmium was qualified as 'U' for samples SB-G12-8109-01(0-2), SB-N9-2267-05(0-2), SB-G8-2249-01(0-1), SB-G8-2204-03(0-1), SB-B10-3-01(0-1), SB-B10-4-02(0-2), SB-E9-2296B-04(0-2), SB-E9-2296D-03(0-2) and SB-E9-2296D-03(0-2)DUP due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries. Sample SB-N9-2267-05(0-2) was qualified as estimated for arsenic due to the matrix spike. All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision.

Other Comments – Field blank FB-81 contained cadmium (0.83 ug/L), copper (1.3 ug/L), mercury (0.33 ug/L), nickel (9 ug/L) and zinc (11.6 ug/L) and FB-82 contained nickel (5.7 ug/L) and zinc (7.5 ug/L). Field duplicate precision was not met for n-nitrosodiphenylamine for pair SB-N9-2267-05(0-2)/DUP. Sample SB-F10-3-07(0-1) was qualified as 'R' for 2,4-dinitrotoluene and as estimated for 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol, acenaphthene and pentachlorophenol. Sample SB-N9-2267-03(0-1.5) was qualified as estimate for di-n-butylphthalate and n-nitrosodiphenylamine due to missed holding times and also compounds associated with internal standards outside control limits were qualified as estimated for samples SB-N9-2267-03(0-1.5) and SB-E9-2296C-01(0-2).

SDG 7055

Volatiles – Na

Semivolatiles – Several samples were qualified as estimated for benzidine due to the CCAL recovery.

Pesticides/PCBs – Samples SB-F8-5-01(0-1) and SB-F8-8-01(0-1.5) were qualified as estimated for AR1260 due to the CCAL recovery.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – Sample SB-Q6-9311-03(0-2) was qualified as estimated for selenium, and all soil samples were qualified as estimated for antimony due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for chromium for pair SB-G10-18-04(0-1.25)/DUP.

SDG 7061

Volatiles – All soil samples in the SDG were qualified as estimated due to surrogate problems. Sample SB-L5-5-03(0.5) was qualified as estimated for benzene and trichloroethene due to the LCS recovery. Compounds associated with internal compounds that were outside control limits were qualified as estimated for samples SB-I6-8-01(0.5), SB-L5-1-01(0.5), SB-L5-1-01(0-5)DUP and SB-L5-5-03(0.5). Samples FB-93 and Trip Blank 7-14-00 were qualified as estimated for acrolein due to the CCAL recovery. All samples in the SDG were qualified as 'U' for methylene chloride, due to blank contamination.

Semivolatiles – Samples analyzed 8/23/00 were qualified as estimated for hexachlorocyclopentadiene, 3,3'-dichlorobenzidine, indeno(1,2,3-cd)pyrene, benzo(g,h,i)perylene and dibenz(a,h)anthracene, and sample analyzed 8/24/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol and benzidine due to the CCAL recovery.

Pesticides/PCBs – Sample FB-92 was qualified as estimated for all PCBs due to holding time exceedance.

Explosives/ Nitroglycerine – Sample SB-L5-1-01(0-1.5) was qualified as estimated for 2,4,6-trinitrotoluene, and as 'R' for 4-amino-2,6-dinitrotoluene due to the column percent difference.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – Sample FB-92 was qualified as 'U' for copper and zinc, and FB-93 for copper, lead and zinc due to blank contamination. All soil samples were qualified as estimate for antimony due to the matrix spike, and for copper and nickel due to the laboratory duplicate. Sample SB-L5-1-01(0-1.5) was qualified as estimated for arsenic, thallium and zinc due to the matrix spike.

Other Comments – Field blank FB-92 contained chromium (1.12 ug/L), nickel (10 ug/L) and selenium (3.58 ug/L) and field blank FB-93 contained nickel (9.18 ug/L) and silver (0.747 ug/L).

SDG 6126

Volatiles – NA

Semivolatiles –All samples in the SDG were qualified as estimated for n-nitrosodi-n-propylamine due to the LCS recovery. Sample SB-I6-8181-02(0-1) was qualified as estimated for n-nitrosodi-n-propylamine, 1,2,4-trichlorobenzene, phenol and pyrene due to the matrix spike. Sample SB-H6-8116-02(0-1.25) was qualified as estimated for n-nitrosodi-n-propylamine and 1,2,4-trichlorobenzene due to the matrix spike recovery. Samples analyzed 7/21/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, benzo(g,h,I)perylene, and benzidine; samples analyzed 7/22/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, 4-nitrophenol, 4,6-dinitro-2-methylphenol and benzidine; samples analyzed 7/24/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'oxybis(1-chloropropane), hexachlorocyclopentadiene, 4-nitrophenol, diethylphthalate, di-n-butylphthalate and benzidine; field blank FB-83 was qualified as estimated for nitrobenzene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the CCAL recoveries. Samples SB-H6-8116-02(0-1.25), SB-H7-8134-04(0-1.25), SB-H7-8146-04(0-1.5) and SB-H7-8282-02(0-1.25) were qualified as 'U' for di-n-butylphthalate due to blank contamination.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples SB-H7-8144-01(0-1) was qualified as 'R' for HMX due to the column percent difference exceeding 90%. Samples SB-H7-8144-01(0-1) was qualified as estimated for RDX and samples SB-I6-E3-04(0-1) and SB-I6-9210-02(0-2) for 2,4-dinitrotoluene due to the column percent difference exceeding 25%. All compounds were qualified as estimated for sample SB-I6-9210-02(0-2) due to the surrogate recovery. All samples in the SDG were qualified as 'R' for tetryl due to the low LCS recovery.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to the holding times being exceeded (2 days past).

Metals – All mercury samples were qualified as estimated due to missed holding times. Cadmium was qualified as estimated for sample SB-H6-941C-03(0-1) due to blank

contamination. Sample SB-H6-8116-02(0-1.25) was qualified as estimated for antimony, zinc and selenium due to the matrix spike recoveries of these analytes.

Other Comments – Field blank FB-83 contained nickel (6.4 ug/L).

SDG 7054

Volatiles – NA

Semivolatiles – Sample SB-F9-2109-05(0-1.5) was qualified as estimated for all compounds due to surrogate recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-F9-2109-08(0-1), SB-F9-2109-08(0-1)DUP and SB-F9-2109-05(0-1.5). Samples analyzed 7/27/00 were qualified as estimated for hexachlorocyclopentadiene and benzidine; samples analyzed 8/17/00 were qualified as estimated for hexachlorocyclopentadiene; samples analyzed 8/18/00 were qualified as estimated for hexachlorocyclopentadiene and 2,4-dinitrophenol; samples analyzed 8/19/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine, due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine –. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%: m-nitrotoluene for sample SB-F10-20-03(0-1.25), 2,4,6-trinitrotoluene and nitrobenzene for samples SB-F9-2109-08(0-1) and SB-E9-2297-02(0-1), RDX for sample SB-F9-2109-05(0-1.5), 2,4-dinitrotoluene for sample SB-C10-432-02(0-1). The following compounds were qualified as 'J' for the indicated samples due to the column percent difference exceeding 25%: 2,4-dinitrotoluene for samples SB-C12-418-04(0-1.5) and SB-F9-2109-05(0-1.5), HMX and 2,4,6-trinitrotoluene for sample SB-F9-2109-05(0-1.5), HMX for sample SB-F9-2109-08(0-1), HMX, 2,4-dinitrotoluene and 2,4,6-trinitrotoluene for sample SB-F9-2109-08(0-1)DUP, nitrobenzene for sample SB-G7-58-04(0-0.75), and 2,4,6-trinitrotoluene for sample SB-C10-432-02(0-1). Sample SB-E9-2297-02(0-1) was qualified as estimated for 2,4,6-trinitrotoluene and nitrobenzene, sample SB-F9-2109-05(0-1.5) for 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, HMX and RDX, and sample SB-F9-2109-08(0-1) for 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, HMX and nitrobenzene due to the surrogate recovery.

TPH/TOC/NC - Sample SB-G7-58-04(0-0.75) has 2560 mg/Kg in the raw data and 557 on the LIMS, also sample SB-C10-432-02(0-1) shows 1990 in the raw data and the LIMS form shows 82.3. The laboratory was contacted and … All soil samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – Sample FB-91 was qualified as 'U' for copper, lead and nickel due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recovery, and for lead due to the laboratory duplicate. Sample SB-F12-6-06(0-2) was qualified as estimated for thallium and lead due to the matrix spike.

Other Comments – Field duplicate precision was not met for pair SB-F9-2109-08(0-1)/DUP for nitrocellulose, lead, zinc, cadmium and 2,4-dinitrotoluene and for pair SB-E12-325B-02(0-2)DUP for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene and pyrene. Field blank FB-91 contained bis(2-ethylhexyl)phthalate (3.19 ug/L) and nickel (9.96 ug/L).

SDG 7059

Volatiles – All soil samples in the SDG were qualified as estimated for all compounds due to the surrogate and internal standard recoveries. All samples in the SDG were qualified with a 'U' for methylene chloride due to blank contamination. The laboratory failed to include the 'B' qualifiers on the LIMS forms which indicates associated blank contamination. The laboratory was contacted and the 'B' will be include in the electronic data deliverable.

Semivolatiles – Phenol was qualified as estimated for sample SB-H7-2172A-05(0-1.25) due to the matrix spike. Compounds associated with internal standards that were outside control limits were qualified as estimated for sample SB-H6-8258-08(0-1) Samples analyzed 8/28/00 on HP#H were qualified as estimated n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), 1,2,4-trichlorobenzene, hexachlorobutadiene, 4-chlorophenyl phenylether, 1,2-diphenylhydrazine, 4-bromophenyl phenylether, hexachlorobenzene and benzidine; samples analyzed 8/28/00 on HP#P were qualified as estimated for hexachlorocyclopentadiene, 4,6-dinitro-2-methylphenol, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracen and benzo(g,h,i)perylene due to the CCAL.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – All mercury samples were qualified as estimated due to missed holding times, for thallium due to the matrix spike and post digestion spike, and for arsenic due to the laboratory duplicate. Sample SB-H7-2172A-05(0-1) was qualified as estimated for antimony due to the matrix spike.

Other Comments – Field duplicate precision was not met for bis(2-ethylhexyl)phthalate for pair SB-H5-8254-04(0-1.25)/DUP.

SDG 6128

Volatiles – Sample SB-H12-8607-01(0.5) was qualified as estimated for all compounds due to missed holding times. Carbon tetrachloride was qualified as estimated in samples SB-F9-1-01(0.5), SB-G9-8105-05(0.5), SB-F10-2162-02(0.5), SB-H11-3-03(0.5), SB-

H10-9101-02(0.5)DUP and SB-H10-9101-02(0.5) and 1,1-dichloroethene, 1,1,1-trichloroethane and carbon tetrachloride for sample SB-H12-8607-01(0.5), due to the LCS recovery. Samples analyzed 7/6/00 were qualified as estimated for 1,1,1-trichloroethane, carbon tetrachloride and trichloroethene; samples analyzed 7/10/00 were qualified as estimated for bromomethane, methylene chloride, 1,1,1-trichloroethane and carbon tetrachloride due to the CCAL recovery. All samples in the SDG were qualified as 'U' for methylene chloride and sample SB-F9-1-01(0.5) for naphthalene, due to blank contamination.

Semivolatiles – Sample FB-84 was qualified as estimated for nitrobenzene, dibenz(a,h)anthracene and benzo(g,h,i)perylene, and samples analyzed 7/24/00 as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane), hexachlorocyclopentadiene, 4-nitrophenol, diethylphthalate, di-n-butylphthalate, bis(2-ethylhexyl)phthalate and benzidine; samples analyzed 7/25/00 for n-nitrosodimethylamine, bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), hexachloroethane, 2,4-dimethylphenol, 4-chloro-3-methylphenol, 4-nitrophenol, diethylphthalate, 1,2-diphenylhydrazine, butyl benzyl phthalate, di-n-butylphthalate and benzidine; and samples analyzed 7/29/00 for benzidine, due to the CCAL recoveries.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following samples were qualified as estimated for the indicated compounds due to poor surrogate recovery: nitrobenzene for sample SB-E10-2-04(0-2), 2,4,6-trinitrotoluene, 2,4-dinitrotoluene and nitrobenzene for sample SB-F9-1-01(0-1), and nitroglycerine for sample SB-E10-2-04(0-2). Sample FB-84 was qualified as 'R' for tetryl due to poor LCS recovery. –. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, nitrobenzene for sample SB-E10-2-04(0-2) and SB-E10-2-04(0-2)DUP, 4-amino-2,6-dinitrotoluene for sample SB-L12-275-01(0-2), 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene for sample SB-D11-B232-06(0-2), nitrobenzene for sample SB-E11-2-02(0-1.5), and 2,4,6-trinitrotoluene and nitrobenzene for sample SB-F9-1-01(0-1).. The following compounds were qualified as 'J' for the indicated samples due to the column percent difference exceeding 25%: 2,4-dinitrotoluene for samples SB-L12-275-01(0-2), SB-D11-B232-06(0-2) and SB-F9-1-01(0-1).

TPH/TOC/NC - No qualification of data.

Metals – Sample FB-84 was qualified as estimated for mercury due to holding time exceedance. All soil samples were qualified as estimated for antimony due to the LCS recovery, and for selenium and thallium for sample SB-H12-8607-01(0-2) due to the matrix spike recovery. All samples were qualified as estimated for mercury, chromium, nickel and zinc due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for arsenic, beryllium, chromium, copper, lead, nickel and zinc for pair SB-H10-9101-02(0-1)/DUP. Field blank FB-84 contained nickel (6.8 ug/L).

SDG 6129

Volatiles – Samples analyzed 6/30/00 were qualified as estimated for bromomethane, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and methylene chloride; samples analyzed 7/6/00 were qualified as estimated for 1,1,1-trichloroethane, carbon tetrachloride, trichloroethene and methylene chloride, due to the CCAL recovery. All samples were qualified as estimated for methylene chloride due to blank contamination.

Semivolatiles – All samples in the SDG were qualified as estimated for n-nitroso-di-n-propylamine due to the matrix spike. Sample FB-85 was qualified as estimated for nitrobenzene, dibenz(a,h)anthracene and benzo(g,h,i)perylene, and the soil samples were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloropropane),n-nitroso-di-n-propylamine, nitrobenzene, 3,3'-dichlorobenzidine and benzidine due to the CCAL.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Field blank FB-85 was qualified as 'R' for tetryl due to poor LCS recovery.

TPH/TOC/NC - No qualification of data.

Metals – Antimony was qualified as estimated in sample SB-H12-8563-01(0-1) due to the matrix spike recovery. All soil samples were qualified as estimated for nickel due to the serial dilution. Field blank FB-85 was qualified as 'U' for zinc due to blank contamination.

Other Comments – Field blank FB-85 contained naphthalene (9.4 ug/L) and trip blank TRIP BLANK 6/23 contained naphthalene (3.8 ug/L).

SDG 7002

Volatiles – NA

Semivolatiles – Samples analyzed 8/8/000 were qualified as estimated for n-nitrosodimethylamine and hexachlorocyclopentadiene; samples analyzed 8/9/00 were qualified as estimated for 2,4-dinitrotoluene; samples analyzed 8/10/00 were qualified as estimated for n-nitrosodimethylamine, hexachlorocyclopentadiene, 3,3'-dichlorobenzidine and benzidine due to the CCAL recoveries.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-D13-3-02(0-2) was qualified as 'R' for 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene, and sample SB-E13-2074A-05(0-2) for HMX due to the column percent difference exceeding 90%. Sample SB-E13-2074A-

05(0-2)DUP was qualified as estimated for HMX and RDX due to the column percent difference exceeding 25%.

TPH/TOC/NC - NA

Metals – Sample SB-F9-2251-01(0-1) was qualified as estimated for mercury due to a missed holding time. All samples were qualified as estimated for antimony due to the LCS and matrix spike. All samples were also qualified as estimated for beryllium, chromium, silver and thallium due to the LCS recoveries and for mercury due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for beryllium, chromium, copper, lead, nickel and selenium for pair SB-F13-8209-02(0-1.5)/DUP.

SDG 7011

Volatiles – NA

Semivolatiles – Phenol was qualified as estimated in sample SB-D10-2233C-02(0-2), due to the matrix spike. Samples analyzed 7/18/00 were qualified as estimated for n-nitrosodimethylamine, hexachlorocyclopentadiene, 4-nitrophenol and 3,3'-dichlorobenzidine; samples analyzed 7/19/00 were qualified as estimated for 2,2'-oxybis(1-chloropropane), hexachlorocyclopentadiene, 2,4-dinitrophenol and 4-nitrophenol; samples analyzed 7/27/00 were qualified as estimated for hexachlorocyclopentadiene and benzidine, due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample FB-86 was qualified as estimated for all compounds and sample FB-87 was qualified estimated for nitroglycerin, due to missed holding times.

TPH/TOC/NC - NA

Metals – The mercury results for FB-86 and FB-87 were qualified as 'R' due to the holding time exceedance (>2x). All soil samples were qualified as estimated for antimony, thallium, arsenic, beryllium, cadmium, chromium and silver due to the matrix spike and LCS recoveries. All soil samples were qualified as estimated for arsenic due to the laboratory duplicate precision. Sample FB-86 was qualified as 'U' for silver, and FB-87 for cadmium due to blank contamination.

Other Comments – Field blank FB-86 contained di-n-butylphthalate (7.96 ug/L) and nickel (10.1 ug/L) and FB-87 contained nickel (8.9 ug/L).

SDG 7018

Volatiles – NA

Semivolatiles – Phenol, 1,2,4-trichlorobenzene, acenaphthene and pentachlorophenol were qualified as estimated for sample SB-C11-18-01(0-2)DUP due to the matrix spike recovery**.** Field blank FB-88 was qualified as estimated for 3,3'-dichlorobenzidine and samples analyzed 8/10/00 were qualified as estimated for hexachlorocyclopentadiene, 3,3'-dichlorobenzidine and benzidine; samples analyzed 8/11/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample FB-88 was qualified as estimated for nitroglycerin due to the holding time being exceeded. All compounds for sample SB-C11-18-01(0-2) were qualified as estimated due to the surrogate recovery. All soil samples in the SDG were qualified as estimated for o-nitrotoluene, HMX and 2,4-dinitrotoluene due to the LCS recoveries.

TPH/TOC/NC - NA

Metals – Samples SB-E10-2031C-03(0-1.5), SB-C11-18-01(0-2), SB-C11-18-01(0-2)DUP, SB-C11-N3-02(0-1), SB-B11-9-03(0-1), SB-C10-10-02(0-1), SB-C10-241A-05(0-1.5) and SB-C10-241C-03(0-2) were qualified as estimated for mercury due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries, and for mercury and lead due to the laboratory duplicate precision. Sample SB-C10-241A-05(0-1.5) was qualified as estimated for thallium and mercury due to the matrix spike recovery. Sample FB-88 was qualified as estimated for selenium due to the matrix spike.

Other Comments – Field blank FB-88 contained copper (1.38 ug/L), lead (2.36 ug/L), nickel (9.14 ug/L) and zinc (9.45 ug/L).

SDG 7017

Volatiles – NA

Semivolatiles – Samples analyzed 8/14/00 were qualified as estimated for hexachlorocyclopentadiene, and samples analyzed 8/15/00 were qualified as estimated for 2,2'-oxybis(1-chloropropane) and hexachlorocyclopentadiene due to the CCAL recoveries.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - NA

Metals – Sample SB-O13-8604-03(0-1) was qualified as estimated for mercury due to missed holding times. Selenium was qualified as 'U' for several samples due to blank contamination. Antimony and selenium were qualified as estimated in sample SB-D10-2007-04(0-2) due to the matrix spike recoveries. All soil samples in the SDG were qualified as estimated for beryllium and selenium due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for pair SB-O14-8603-04(0-2)/DUP for antimony.

SDG 7129

Volatiles – NA

Semivolatiles - All soil samples were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample FB-94 was qualified as estimated for nitroglycerin due to holding time exceedance.

TPH/TOC/NC - No qualification of data.

Metals – Sample FB-94 was qualified as 'U' for chromium due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries.

Other Comments – Field blank FB-94 contained copper (3.45 ug/L), nickel (8.16 ug/L) and zinc (4.49 ug/L).

SDG 7031

Volatiles – NA

Semivolatiles – Samples SB-C14-4-03(0-2) and SB-D14-6-02(0-2) were qualified as estimated for all compounds due to surrogate recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for samples SB-D14-129-03(0-2) and SB-D14-129-03(0-2)DUP. Samples analyzed 8/15/00 were qualified as estimated for hexachlorocyclopentadiene, 3,3'-dichlorobenzidine and benzidine; samples analyzed 8/16/00 were qualified as estimated for hexachlorocyclopentadiene, 3,3'-dichlorobenzidine, and samples analyzed 8/17/00 were qualified as estimated for hexachlorocyclopentadiene due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - The reported concentrations for nitrocellulose were incorrect - the laboratory was contacted and revisions were submitted. All samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals – Sample FB-89 was qualified as estimated for mercury due to a holding time exceedance, and qualified as 'U' for cadmium, copper and zinc due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike and LCS recoveries, and as estimated for mercury and nickel due to laboratory duplicate precision. Sample SB-B14-3-02(0-2) was qualified as estimated for thallium due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for pair SB-D14-120-03(0-2)/DUP for arsenic. Field blank FB-89 contained nickel (4.22 ug/L).

SDG 7186

Volatiles – NA

Semivolatiles – Sample FB-97 was qualified as estimated for bis(2-chloroethyl)ether, hexachlorocyclopentadiene and 3,3'-dichlorobenzidine due to the CCAL. Samples analyzed 9/5/00 were qualified as estimated for 4-chloro-3-methylphenol and samples analyzed 9/7/00 were qualified as estimated for 4-chloro-3-methylphenol and 4-nitrophenol. Sample FB-97 was qualified as 'U' for bis(2-ethylhexyl)phthalate due to blank contamination.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – All soil samples were qualified as estimated for HMX, RDX and nitrobenzene due to the LCS recoveries. Sample SB-K8-393-01(0-1) was qualified as 'J' for 2,4-dinitrotoluene, sample SB-K8-9207-04(0-1.5) for 2-amino-4,6-dinitrotoluene due to the column percent difference exceeding 25%. Sample SB-K8-9207-04(0-1.5) was qualified as 'R' for 4-amino-2,6-dinitrotoluene and sample SB-K11-598-02(0-0.5) for nitrobenzene, due to the column percent difference exceeding 90%. Samples SB-K8-393-01(0-1) and SB-J9-6-01(0-1) were qualified as estimated for nitroglycerine due to the surrogate recovery, and sample SB-K8-9207-04(0-1.5) for nitroglycerine due to the matrix spike recovery.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to missed holding times.

Metals – Sample SB-L8-8235-02(0-1) was qualified as estimated for antimony, arsenic, selenium and thallium due to the matrix spike. Sample FB-97 was qualified as 'U' for copper and zinc due to blank contamination. All soil samples were qualified as estimated

for nickel due to the laboratory duplicate precision, and for beryllium and zinc due to the serial dilution.

Other Comments – Field blank FB-97 contained chromium (2.14 ug/L) and nickel (5.8 ug/L) and di-n-butyl phthalate (1.02 ug/L).

SDG 8004

Volatiles – Sample SB-G10-8224-05(3.5) was qualified as estimated for all compounds due to the surrogate recovery. The 'B' qualifiers are handwritten on the LIMS forms, the laboratory was contacted to ensure the EDD submitted to MW contains the 'B's. All samples were qualified as estimated for chloromethane, 2-chloroethyl vinyl ether and 1,2,4-trichlorobenzene due to the CCAL recovery. All samples were qualified with a 'U' for methylene chloride, and sample SB-H6-10-A(10) for naphthalene due to blank contamination.

Semivolatiles – Sample SB-H6-8152A/8152B(7) was qualified as estimated for phenol due to the matrix spike, and all samples for pyrene due to the LCS recovery. Samples analyzed 9/6/00 were qualified as estimated for bis(2-chloroethyl)ether and pyrene, and samples analyzed 9/7/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, n-nitrosodi-n-propylamine, di-n-butylphthalate and benzidine due to the CCAL recoveries.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-I10-PA8(5.5) was qualified as estimated for 2,4-dinitrotoluene due to the absence of the second column confirmation.

TPH/TOC/NC - No qualification of data.

Metals – NA

Other Comments – NA

SDG 8010

Volatiles – All compounds were qualified as estimated for sample SB-E16-8561-02(0.5) due to the surrogate recovery. All samples were qualified as estimated for bromomethane due to the CCAL recovery. Sample SB-E16-8561-02(0.5) was qualified as estimated for methylene chloride, and sample TB 7/27/00 for methylene chloride and naphthalene, due to blank contamination.

Semivolatiles – Compounds associated with internal standards that exceeded the control limits were qualified as estimated for samples SB-Q6-8-05(0-.5), SB-E12-286D-07(0-1) and SB-E12-286D-07(0-1)DUP. Sample FB-99 was qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine and samples analyzed 9/8/00 were

qualified as estimated for di-n-octylphthalate due to the CCAL recovery. Blank SBLKB had the wrong units for the soil matrix, they should have been reported in mg/Kg but were as ug/L.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – All soil samples were qualified a estimated for tetryl and 2,4-dinitrotoluene due to the LCS recovery. Sample FB-99 was qualified as estimated for HMX, RDX and nitrobenzene due to the LCS recovery. Sample SB-Q6-8-05(0-.5) was qualified as estimated for 2,4,6-trinitrotoluene due to the column percent difference exceeding 25% and as 'R' for nitrobenzene for sample SB-Q6-8-05(0-.5) due to the column percent difference exceeding 90%.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to missed holding times.

Metals – Samples SB-P5-2-03(0-1.5), SB-08-732-04(0-2), SB-Q6-8-05(0-.5), SB-R5-1-03(0-1), SB-R5-1-03(0-1)DUP, SB-S6-1-02(0-1), SB-S7-1-01(0-1.5), SB-E12-286D-07(0-1) and SB-E12-286D-07(0-1)DUP were qualified as 'U' for cadmium, and samples SB-R5-1-03(0-1), SB-R5-1-03(0-1)DUP, SB-S6-1-02(0-1.5),SB-E12-286D-07(0-1) and SB-E12-286D-07(0-1) for antimony, due to blank contamination. All soil samples were qualified as estimated for antimony due to the matrix spike, and for arsenic, chromium, copper, lead and nickel due to the laboratory duplicate precision. Sample SB-E12-286D-07(0-1)DUP was qualified as estimated for selenium and zinc due to the matrix spike recovery. Sample FB-99 was qualified as 'U' for copper and zinc due to blank contamination.

Other Comments – Field duplicate precision was not met for pair SB-R5-1-03(0-1)/DUP for chromium and pair SB-E12-286D-07(0-1)/DUP for arsenic, selenium and nitrocellulose. Sample TB 7/27/00 contained hexachlorobutadiene (0.7 ug/L).

SDG 8041

Volatiles –All compounds were qualified as estimated for samples TP-J11-11-01(7.5), TP-G11-9304A-01(3.5) and TP-H13-8226-06(6) due to surrogate recovery. Several samples had 'B' handwritten on the LIMS form. The laboratory was contacted to ensure that the 'B' will be included in the EDD. Samples FB-102 and Trip blank were qualified as estimated for chloromethane and 2-chlorovinyl ether due to the CCAL. All samples were qualified with a 'U' for methylene chloride, naphthalene or both compounds due to blank contamination.

Semivolatiles – Sample FB-102 was qualified as estimated for 2-chloronaphthalene, and samples TP-J11-11-01(7.5) , TP-J11-11-01(7.5)DUP, TP-G10-8204-06(2) , TP-F10-8237A-01(1.5) , TP-F9-PA4-01(3.5), TP-F9-2105-6-01(4) and TP-F9-PA5-01(5.5) for pyrene, due to the LCS recovery. Sample FB-102 was qualified as estimated for n-nitrosodimethylamine, and samples analyzed 9/9/00 for hexachlorocyclopentadiene, 2,4-

dinitrophenol and 4,6-dimitro-2-methylphenol, due to the CCAL recovery. Field blank FB-102 was used to 'U' qualify sample TP-F9-PA4-01(3.5) for di-n-butlyphthalate. There were several other samples containing di-n-butylphthalate, however, the concentrations in the samples exceeded ten-times the FB concentration, thus could not be qualified as 'U'.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample TP-F9-PA4-01(3.5) was qualified as 'R' for HMX and 2,4,6-trinitrotoluene due to the column percent difference exceeding 90%. The following samples and indicated compounds were qualified as estimated due to the column percent difference exceeding 25%: TP-F9-PA4-01(3.5) for 2,4-dinitrotoluene; TP-F9-2105-6-01(4) and TP-F9-PA5-01(5.5) for HMX.

TPH/TOC/NC - No qualification of data.

Metals – Sample FB-102 was qualified as estimated for copper and zinc due to the method blank. Sample TP-G10-8204-06(2) was qualified as estimated for nickel due to the serial dilution.

Other Comments – Sample Trip blank contained toluene (1.18 ug/L) and field blank FB-102 contained nickel (6.66 ug/L) and di-n-butlyphthalate (12.8 ug/L).

SDG 8036

Volatiles – Sample SB-J11-1-19(0.5) was qualified as estimated for all compounds due to surrogate recovery. Sample SB-J11-1-12(0.5) was qualified as estimated for 1,2,4-trichlorobenzene due to the ICAL recovery, and samples analyzed 8/9/00 were qualified as estimated for chloromethane, methylene chloride and 2-chloroethylvinyl ether due to the CCAL recovery. All samples were qualified as 'U' for methylene chloride and samples SB-J11-1-03(0.5) and SB-J11-1-12(0.5) for naphthalene due to blank contamination.

Semivolatiles – All compounds for samples SB-J11-1-08(0-1), SB-J11-1-10(0-1.5), SB-J11-1-11(0-1.5), SB-J11-1-11(0-1.5), SB-J11-1-12(0-2) and SB-J11-1-12(0-2)DUP were qualified as estimated due to surrogate recovery. Sample SB-J11-1-20(0-1) was qualified as estimated for phenol due to the matrix spike. All samples in the SDG were qualified as estimated for 2-chlorophenol, 1,4-dichlorobenzene, n-nitroso-di-n-propylamine and acenaphthene due to the LCS recoveries. Samples analyzed 9/13/00 were qualified as estimated for 4-nitrophenol and hexachlorobenzene due to the CCAL recoveries.

Pesticides/PCBs –NA

Explosives/ Nitroglycerine – Samples SB-L10-2-01(0-1.5) and SB-L10-2088-01(0-1) were qualified as 'R' for 2,4,6-trinitrotoluene due to the column percent difference

exceeding 90% and as estimated for 2,4-dinitrotoluene and 4-amino-2,6-dinitrotoluene, respectively, due to the column percent difference exceeding 25%.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose due to the holding times being exceeded.

Metals – Samples SB-L10-2088-01(0-1), SB-L10-8215-01(0-1), SB-L10-2242-01(0-1) were qualified as 'U' for antimony, and samples SB-L10-2-01(0-1.5), SB-L10-2088-01(0-1), SB-L10-8215-01(0-1) and SB-L10-2242-01(0-1) were qualified 'U' for mercury due to blank contamination. Sample SB-L10-2242-01(0-1) was qualified as estimated for antimony and selenium due to the matrix spike recoveries. All samples were qualified as estimated for nickel due to the laboratory duplicate precision.

Other Comments – NA

SDG 8037

Volatiles – All compounds for samples TP-H9-8238-04(7.5), TP-I11-6-01(7.5) and TP-L10-1A-01(5) were qualified as estimated due to surrogate recovery. Samples analyzed 8/10/00 were qualified as estimated for chloromethane and 2-chloroethylvinyl ether and samples analyzed 8/9/00 were qualified as estimated for bromomethane due to the CCAL recovery. All samples in the SDG were qualified as estimated for methylene chloride due to blank contamination.

Semivolatiles – Acenaphthene and n-nitroso-di-n-propylamine were qualified as estimated in sample FB-101, and pyrene was qualified as estimated in the majority of the sample in the SDG due to the LCS recovery. Compounds associated with internal standards that exceeded control criteria were qualified as estimated for samples SB-L7-1-01(0-1.5), SB-I11-7-01(0-1), SB-I11-8260-03(0-1), SB-N9-3-04(0-1), SB-M10-724-03(0-1) and SB-M11-3-03(0-0.5). Samples analyzed 9/12/00 were qualified as estimated for nitrobenzene, samples analyzed 9/9/00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol; samples analyzed 9/13/00 were qualified as estimated for n-nitrosodimethylamine, 2,2'-oxybis(1-chloro)propane, 4-nitrophenol and benzidine; samples analyzed 9/14/00 were qualified as estimated for n-nitrosodimethylamine, bis(2-chloroethyl)ether, phenol, 2,2'-oxybis(1-chloro)propane, n-nitroso-di-n-propylamine, bis(2-chlorethoxy)methane, hexachlorobutadiene and benzidine due to the CCAL recoveries. The field blank was used to 'U' qualify di-n-butlyphthalate in sample SB-L7-1-01(0-1.5).

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following samples and indicated compounds were qualified as estimated due to the column percent difference exceeding 25%: 4-amino-2,6-dinitrotoluene and 2-amin-4,6-dinitrotoluene for sample SB-M10-7-03(0-1.5), nitrobenzene for SB-M9-2261-02(0-1), 2-amino-4,6-dinitrotoluene and 2,4-dinitrotoluene for sample SB-M10-7-03(0-1.5)DUP and 2,4-dinitrotoluene for sample TP-L11-2089-

06(9). The following samples and indicated compounds were qualified as 'R' due to the column percent difference exceeding 90%: 4-amino-2,6-dinitrotoluene for sample SB-M10-7-03(0-1.5)DUP, nitrobenzene for SB-I11-8260-03(0-1.25), SB-I11-7-01(0-1) and TP-L11-2089-06(9).

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to missed holding times. The laboratory did not originally submit the NC result for sample 8037-001. The LIMS form was then requested and submitted by the laboratory.

Metals – Sample FB-101 was qualified as 'U' for copper due to blank contamination. Samples SB-M10-724-03(0-1.5), SB-M10-2262-04(0-1.5), TP-H10-13-01(0-) were qualified as 'U' for cadmium; samples SB-M10-B14-02(0-0.5), SB-M11-3-03(0-0.5), SB-M10-1-04(0-1) and TP-H10-13-03(0-2) for antimony, and nearly all samples in the SDG for mercury, due to blank contamination. Sample SB-L10-B462-01(0-1.25) was qualified as estimated for antimony due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for nitrocellulose for pair SB-M10-7-03(0-1)/DUP and for chromium, copper, lead, nickel, chrysene, benzo(a)anthracene, benzo(a)pyrene and benzo(k)fluoranthene for pair SB-J10-609-01(0-1.5)/DUP. Field blank FB-101 contained nickel (6.8 ug/L) and di-n-butylphthalate (8.51 ug/L).

SDG 8052

Volatiles – Samples TP-I8-8236-06(8), TP-I8-8236-06(8)DUP, TP-M5-10-01(4), TP-F13-8230-05(4.5), TP-F11-8227-07(7.5) and TP-C12-8229-05(4.5) were qualified as estimated for all compounds, due to the surrogate recoveries. Soil samples analyzed 8/11/00 were qualified as estimated for chloromethane and 2-chloroethylvinyl ether; water samples analyzed 8/11/00 were qualified as estimated for tetrachloroethane due to the CCAL recoveries. All samples were qualified as estimated for methylene chloride due to blank contamination.

Semivolatiles – Sample TP-K11-2300-07(7.5) was qualified as estimated for phenol due to the matrix spike recovery. Field blank FB-103 was qualified as estimated for 2-chlorophenol due to the LCS recovery. Compounds associated with the internal standard that exceeded control limits were qualified as estimated in sample TP-J11-2188-09(4). Samples analyzed 9/14/00 were qualified as estimated for hexachlorocyclopentadiene and samples analyzed 9/15/00 were qualified as estimated for 2,4-dinitrophenol and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine –The following samples and indicated compounds were qualified as 'R' due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene and nitrobenzene for sample TP-J11-2188-09(4); nitrobenzene, 2,4,6-trinitrotoluene and 2,4-dinitrotoluene for sample TP-J11-2188-10(4); 2,4,6-trinitrotoluene and nitrobenzene

for TP-J11-2188-11(4.5). All soil samples in the SDG were qualified as estimated for tetryl and 2,4-dinitrotoluene due to the LCS recoveries.

TPH/TOC/NC - No qualification of data.

Metals –Sample TP-E10-2031B-05(1) was qualified as estimated for mercury due to the laboratory duplicate precision. Field blank FB-103 was qualified as 'U' for copper and zinc due to blank contamination.

Other Comments – Field blank FB-103 contained nickel (7.4 ug/L). Trip blank TB 8/8/00 contained toluene (1.1 ug/L).

SDG 8138

Volatiles – All compounds were qualified as estimated for samples TP-G7-2347-02(2), TP-G7-2347-03(2), and TP-G6-906-01(2) due to the surrogate recovery. Samples analyzed 8/24/00 were qualified as estimated for acrylonitrile and 2-chloroethyl vinyl ether; samples analyzed 8/23/00 were qualified as estimated for 2-chloroethyl vinyl ether, 1,2,4-trichlorobenzene and napthalene due to the CCAL recovery. Soil samples were qualified as 'U' for naphthalene and methylene chloride and water samples were qualified as 'U' for methylene chloride and toluene due to blank contamination.

Semivolatiles – Field blank sample FB-104 was qualified as estimated for 1,4-dichlorobenzene and 1,2,4-trichlorobenzene due to the LCS recovery. Sample TP-B13-8-06(3.5) was qualified as estimated for 1,2,4-trichlorobenzene due to the LCS recovery. Pyrene was qualified as estimated in samples TP-H5-8181-03(0-2)DUPDL, TP-H5-8181-01(0-2)DL, TP-G7-2347-02(0-2)DL, TP-I11-8504-07(3), TP-I11-3-01(3) and TP-B13-8-06(3.5), due to the LCS recovery. Compounds associated with internals standards that exceeded control limits were qualified as estimated for TP-I11-8504-07(3). Samples analyzed 9/20/00 were qualified as estimated for 2,4-dinitrophenol and samples analyzed 9/21/00 were qualified as estimated for 3,3'-dichlorobenzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following compounds were qualified as estimated for the indicate compounds due to the column percent difference exceeding 25%: 2-amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene for sample TP-B10-503-07(7.5) and 2,4,6-tritnitrotoluene for sample TP-B10-506-07(3.5). Sample TP-B10-503-07(7.5) was qualified as estimated for all compounds due to the holding time being missed.

TPH/TOC/NC - No qualification of data.

Metals – Mercury and antimony were qualified as estimated for sample TP-G7-2347-02(0-2) due to the matrix spike recoveries. All soil samples were qualified as estimated for selenium, due to the LCS recovery. The reporting limits for the soil samples were

incorrectly reported. The laboratory was contacted and … The raw data for FB-104 was not originally submitted in the package.

Other Comments – Field duplicate precision was not met for pair TP-H5-8181-03(0-2)/DUP for mercury. Field blank FB-104 contained copper (5.5 ug/L), trichloroethene (4.1 ug/L) and selenium (2.8 ug/L). Trip blank TB 8/17/00 contained naphthalene (5.1 ug/L) and trichloroethene (4 ug/L).

SDG 8078

Volatiles – Sample TP-E16-8561-05(2.5) was qualified as estimated for 1,2,4-trichlorobenzene due to the ICAL recovery. Soil samples analyzed 8/15/00 were qualified as estimated for 2-chloroethyl vinyl ether and 1,2,4-trichlorobenzene due to the CCAL recovery. All samples in the SDG were qualified as 'U' for methylene chloride and/or naphthalene due to blank contamination.

Semivolatiles – Sample TP-H13-8158A-01(5.5) was qualified as estimated for 1,2,4-trichlorobenzene due to the matrix spike recovery. Samples FB-104 and FB-105 were qualified as estimated for 2-chlorophenol, 4-nitrophenol and pentachlorophenol due to the LCS recoveries. Samples analyzed 9/14/00 were qualified as estimated for hexachloroethane, 4-nitrophenol and 1,2-diphenylhydrazine and samples analyzed 9/15/00 were qualified as estimated for hexachloroethane, n-nitroso-di-n-propylamine, 4-nitrophenol, 1,2-diphenylhydrazine, hexachlorobutadiene and benzidine due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following samples and indicate compounds were qualified as 'R' due to the column percent difference exceeding 90%: 2,4,6-trinitrotoluene for samples TP-I12-7-05(6) and TP-E9-2296-09(7.5); nitrobenzene for sample TP-E10-PA12-01(3.5). The following samples and indicated compounds were qualified as estimated due to surrogate recovery: 2,4,6-trinitrotoluene, nitrobenzene and nitroglycerine for sample TP-E9-2296-09(7.5). Samples TP-E10-PA12-01(3.5) and TP-E9-2296-09(7.5) were qualified as estimated for nitroglycerine due to the LCS recovery.

TPH/TOC/NC - Samples FB-104 and FB-105 were qualified as estimated for TOC due to missed holding times. All soil samples were qualified as estimated for nitrocellulose due to the LCS recovery.

Metals –NA

Other Comments – NA

SDG 8019

Volatiles – NA

Semivolatiles – Sample SB-K10-2197-04(0-2) was qualified as estimated for phenol due to the matrix spike recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for sample SB-J11-14-01(0-1). Samples analyzed 8/9/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine; samples analyzed 8/10/00 were qualified as estimated for n-nitrosodimethylamine; samples analyzed 9/8/00 were qualified as estimated for di-n-octylphthalate; samples analyzed 9/13/00 were qualified as estimated for 4-nitrophenol and hexachlorobenzene; and samples analyzed 9/14/00 were qualified as estimated for hexachloroethane, 4-nitrophenol and 1,2-dichlorobenzidine due to the CCAL recoveries.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-K11-604-03(0-1) was qualified as 'R' for 2,4,6-trintrotoluene, and sample SB-J11-B83-03(0-.75) as 'R' for nitrobenzene due to the column percent difference exceeding 90%. Sample SB-K11-604-03(0-1) was qualified as estimated for nitrobenzene due to the column percent difference exceeding 25%.

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due missed holding times.

Metals – Samples SB-K11-2301-02(0-1), SB-J11-14-01(0-1) and SB-J11-B83-03(0-.75) were qualified as 'U' for cadmium due to blank contamination. All soil samples were qualified as estimated for antimony, due to the LCS recovery. Sample FB-100 was qualified as 'U' for zinc due to blank contamination.

Other Comments – Field blank FB-100 contained nickel (2.8 ug/L).

SDG 9102

Volatiles – NA

Semivolatiles – All samples in the SDG were qualified as estimated for 2-chlorophenol, 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, 1,2,4-trichlorobenzene, acenaphthene, 4-nitrophenol and pyrene due to the LCS recovery. Samples analyzed 10/20/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine, and samples analyzed 10/21/00 were qualified as estimated for hexachlorocyclopentadiene due to the CCAL recovery.

Pesticides/PCBs – NA

Ammonia(N) and Nitrate/Nitrite: No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - No qualification of data.

Metals – The laboratory reported an 'H' qualifier for metals and was contacted. Samples 9102-18 and 9102-21 were identified as '3' instead of the sampling ID. Cadmium was qualified as 'U' for several samples in the SDG due to blank contamination. Antimony was qualified as estimated for samples SB-I12-2012-03(0-1) and SB-H12-120-02(0-1) due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for pair SB-I12-9112-03(0-0.5)/DUP for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene and flouranthene.

SDG 9172

Volatiles – NA

Semivolatiles – Samples analyzed 10/23/00 were qualified as estimated for 3,3'-dichlorobenzidine, and samples analyzed 10/24 were qualified as estimated for bis(2-chlorethoxy)ether, hexachlorocyclopentadiene and 3,3'-dichlorobenzidine due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – NA

TPH/TOC/NC - NA

Metals – All samples were qualified as estimated for copper due to the laboratory duplicate precision.

Other Comments – NA

SDG 9103

Volatiles – All compounds were qualified as estimated for sample SB-Q6-583-02(0.5) due to surrogate recovery. Samples FB-106 and TB 9/13/00 were qualified as estimated for acrolein due to the CCAL recovery. All samples were qualified as 'U' for methylene chloride, and sample FB-106 for naphthalene due to blank contamination.

Semivolatiles – All compounds were qualified as estimated for sample FB-105 due to surrogate recovery. All soil samples in the SDG were qualified as estimated for n-nitroso-di-n-propylamine due to the LCS recovery. Samples analyzed 10/21/00 were qualified as estimated for hexachlorocyclopentadiene; samples analyzed 10/22/00 were qualified as estimated for hexachlorobutadiene and benzidine; samples analyzed 10/25/00 were qualified as estimated for 2,4-dinitrophenol, 4-nitrophenol and 4,6-dinitro-2-methylphenol due to the CCAL recovery. Di-n-butylphthalate and bis(2-ethylhexyl)phthalate were qualified as 'U' in several samples due to blank contamination.

Pesticides/PCBs – Sample FB-106 was qualified as estimated for AR1260 due to the LCS recovery.

Explosives/ Nitroglycerine – Samples FB-105 and FB-106 were qualified as estimated for nitroglycerine due to missed holding times.

TPH/TOC/NC - No qualification of data.

Metals – Several samples were reported with the identification of '8', '10' etc. The laboratory was contacted and revised data forms were submitted. Sample SB-L9-79B-03(0-1) was qualified as estimated for arsenic and thallium due to the matrix spike recovery. All soil samples were qualified as estimated for copper due to the laboratory duplicate precision. Samples FB-105 and FB-106 were qualified as 'U' for copper, and sample FB-106 for silver due to blank contamination.

Other Comments – Field blank FB-106 contained ammonia nitrogen (0.14 mg/L), di-n-butylphthalate (1.07 ug/L) and hexachlorobutadiene (1.05 ug/L). Trip blank TB 9/13/00 contained chloroform (1.2 ug/L).

SDG 8008

Volatiles – NA

Semivolatiles – Samples analyzed 9/2/00 were qualified as estimated for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine, and samples analyzed 9/7/00 were qualified as estimated for 4-chloro-3-methylphenol and 4-nitrophenol due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample SB-05-579-01(0-.5) was qualified as estimated for 2,4-dinitrotoluene due to the column percent difference exceeding 25% and sample SB-07-396-03(0-2) as 'R' for nitrobenzene, due to the column percent difference exceeding 90%. Samples SB-05-578-02(0-1), SB-05-6-03(0-1) and SB-P6-541-01(0-1) were qualified as estimated for nitroglycerine, due to surrogate recovery.

TPH/TOC/NC - All samples were qualified as estimated for nitrocellulose, due to missed holding times.

Metals – Samples SB-N5-533-01(0-3), SB-N5-3-01(0-2), SB-N7-394-03(0-2), SB-07-396-03(0-2), SB-07-615E-04(0-1.25), SB-07-395-03(0-1) and SB-P6-541-01(0-1) were qualified as 'U' for cadmium due to blank contamination. All soil samples were qualified as estimated for antimony, due to the matrix spike and LCS recoveries. Sample SB-05-580.5-05(0-1) was qualified as estimated for selenium due to the matrix spike recovery.

All soil samples were qualified as estimated for mercury due to the laboratory duplicate precision.

Other Comments – Field duplicate precision was not met for pair SB-05-537-02(0-1)/DUP for nitrocellulose. Field blank FB-98 contained copper (4.32 ug/L).

SDG 7156

Volatiles – All soil samples were qualified as estimated due to surrogate recovery. All samples were qualified as 'U' for methylene chloride and several for naphthalene and 1,2,4-trichlorobenzene due to blank contamination. Samples SB-D9-8384-03(0.5) and SB-J11-8265A-03(0.5) were qualified as estimated for 1,2,4-trichlorbenzene due to the initial calibration.

Semivolatiles – Pyrene was qualified as estimated for samples SB-J7-8281-01(0-0.5), SB-I10-E50-01(0-1), SB-I10-2080-02(0-1), SB-H8-558-04(0-1) and SB-B13-8-05(0-2) due to the LCS recovery. Water samples analyzed 8/2/00 were qualified as estimated for dibenz(a,h)anthracene, benzo(g,h,i)perylene and benzidine; samples analyzed 8/30/00 were qualified as estimated for 4,6-dinitro-2-methylphenol; samples analyzed 8/31/00 were qualified as estimated for 2,6-dinitrotoluene, 2,4-dinitrotoluene, di-n-octylphthalate and benzidine, and samples analyzed 9/5/00 were qualified as estimated for 4-chloro-3-methylphenol due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Samples FB-95 and FB-96 were qualified as estimated for nitroglycerine due to missed holding times. Samples SB-B13-724-01(0-1) and SB-B13-724-01(0-1)DUP were qualified as estimated for all original undiluted results, due to surrogate recovery. The following compounds were qualified as 'R' for the indicated samples due to the column percent difference exceeding 90%:, 2,4,6-trinitrotoluenefor sample SB-J9-2111-04(0-1), 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene for sample SB-I10-2079-05(0-1.25); 4-amino-2,6-dinitrotoluene,nitrobenzene, 2-nitrotoluene and 3-nitrotoluene for sample SB-B10-506-04(0-2); HMX for sample SB-B13-724-01(0-2) and duplicate and 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene for sample SB-B13-8-05(0-2). The following compounds were qualified as 'J' for the indicated samples due to the column percent difference exceeding 25%: 2,4-dinitrotoluene for sample SB-J9-2111-04(0-1); RDX for sample SB-I10-2079-05(0-1.25); 4-nitrotoluene and 2,4-dinitrotoluene for sample SB-B10-506-04(0-2); 1,3-dinitrobenzene and 1,3,5-trinitrobenzene for sample SB-B13-724-01(0-2)DUP; 2,4,6-trinitrotoluene for , SB-B13-8-05(0-2). The following samples were qualified as estimated for nitroglycerine due to surrogate recovery: SB-I10-E50-01(0-1), SB-B13-724-01(0-2) and SB-B137-724-01(0-2)DUP. Sample SB-I9-5-05(0-1.5) was qualified as estimated for nitroglycerine due to the matrix spike recovery..

TPH/TOC/NC - All soil samples were qualified as estimated for nitrocellulose due to missed holding times.

Metals – Zinc was qualified as 'U' in samples FB-95 and FB-96, and selenium in all soil samples, due to blank contamination. Sample SB-J7-F1-02(0-2) was qualified as estimated for antimony, arsenic and selenium due to matrix spike recovery. All soil samples were qualified as estimated for beryllium due to the serial dilution recovery.

Other Comments – Field duplicate precision was not met for copper and zinc for pair SB-B13-724-01(0-2)/DUP. Field blank FB-95 contained copper (3.97 ug/L) and nickel (2.22 ug/L), and field blank FB-96 contained copper (4.37 ug/L).

SDG 7033

Volatiles – NA

Semivolatiles – Sample SB-N4-2-01(0-2) was qualified as estimated for all compounds due to surrogate recovery and also for compounds associated with internal standards that exceeded control limits. Samples analyzed 8/5 00 were qualified as estimated for hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and 3,3'-dichlorobenzidine; samples analyzed 8/18/00 were qualified as estimated for 4-nitrophenol, 4,6-dinitro-2-methylphenol and 3,3'-dichlorobenzidine; samples analyzed 8/21/00 were qualified as estimated for 3,3'-dichlorobenzidine and hexachlorocyclopentadiene; and samples analyzed 8/22/00 were qualified as estimated for hexachlorocyclopentadiene, 4-nitrophenol and 3,3'-dichlorobenzidine due to CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – Sample FB-90 was qualified as estimated for nitroglycerine due to the holding time. Sample SB-N4-2-01(0-2) was qualified as estimated for RDX due to the column percent difference exceeding 25%.

TPH/TOC/NC - The laboratory was contacted regarding the discrepancy between the raw data spreadsheet and the LIMS forms. Revised forms were submitted. No qualification of data.

Metals – Sample FB-90 was qualified as 'U' for copper, selenium and zinc due to blank contamination. Sample FB-90 was qualified as estimated for mercury due to missed holding times. All soil samples in the SDG were qualified as estimated for antimony due to the LCS and matrix spike recoveries, and for lead due to the laboratory duplicate precsion.

Other Comments – Field duplicate precision was not met for nitrocellulose and n-nitrosodiphenylamine for pair SB-L6-370-03(0-1.5)/DUP. Field blank FB-90 contained arsenic (3.5 ug/L), lead (1.6 ug/L) and nickel (6.5 ug/L).

SDG 7126

Volatiles – NA

Semivolatiles – All compounds for sample SB-I8-2328A-03(0-1) were qualified as estimated due to surrogate recovery. Compounds associated with internal standards that exceeded control limits were qualified as estimated for sample SB-I8-2328A-03(0-1). Samples analyzed 8/27/00 were qualified as estimated for hexachlorocyclopentadiene and 2,4-dinitrophenol and samples analyzed 8/29/00 were qualified as estimated for hexachlorocyclopentadiene, 4,6-dinitro-2-methylphenol, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the CCAL recovery.

Pesticides/PCBs – NA

Explosives/ Nitroglycerine – The following samples and compounds were qualified as 'R' due to the column percent difference exceeding 90%: sample SB-I7-567-02(0-2) for 2,4,6-trinitrotoluene, 2,4-dinitrotoluene for samples SB-I7-15-04(0-1.25) and SB-I7-15-04(0-1.25)DUP and 2,4,6-trinitrotoluene and nitrobenzene for sample SB-I8-2328A-03(0-1). The following samples and indicated compounds were qualified as estimated due to the column percent difference exceeding 25%: HMX for samples SB-I7-567-02(0-2) and SB-I8-2328A-03(0-1). Sample SB-I8-2170-04(0-1) was qualified as estimated for nitroglycerine due to surrogate recovery, and sample SB-I8-560-01(0-1) due to the matrix spike recovery.

TPH/TOC/NC - No qualification of data.

Metals – Antimony was qualified as estimated in all samples due to the LCS and matrix spike recoveries. Sample SB-I8-560-01(0-1) was qualified as estimated for selenium and thallium due to the matrix spike recovery.

Other Comments – Field duplicate precision was not met for arsenic for pair SB-I8-2170-04(0-1)/DUP and for chromium, lead and nickel for pair SB-I7-15-04(0-1.25)/DUP.

SDG 9189

Volatiles – The laboratory was contacted regarding the identification of sample SB-G11-1-02(0-1). The laboratory originally submitted the ID as G1 instead of G11. A revised form was submitted. Also, the laboratory was contacted regarding the possible presence of toluene in the sample. Samples analyzed 10/4/00 were qualified as estimated for acrolein, acrylonitrile and 2-chloroethylvinyl ether due to the CCAL recovery. Sample SB-G11-1-02(0.5) and the duplicate, and trip blank sample were qualified as 'U' for methylene chloride due to blank contamination.

Semivolatiles – Samples analyzed 10/21/00 were qualified as estimated for benzidine, samples analyzed 10/23/00 were qualified as estimated for 3,3'-dichlorobenzidine; samples analyzed 10/24/00 were qualified as estimated for bis(2-chloroethyl)ether,

hexachlorocyclopentadiene and 3,3'-dichlorobenzidine; and samples analyzed 10/25/00 were qualified as estimated for 2,4-dinitrophenol, 4-nitrophenol and 4,6-dinitro-2-methylphenol; and samples analyzed 10/25/00 were qualified as estimated, due to the CCAL recovery.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerine – No qualification of data.

TPH/TOC/NC - Field duplicate precision was not met for nitrocellulose for pair

Metals – Sample FB-107 was qualified as 'U' for copper due to blank contamination. Antimony was qualified as 'U' in samples SB-I12-9120-03(0-1), SB-M9-8151-03(0-1.5)DUP, SB-Q6-9311-01(0-1), SB-Q5-534-02(0-1), SB-K6-1-02(0-1.25), SB-H5-8254-01(0-1), SB-C10-432-01(0-1), SB-C12-418-01(0-2), SB-D11-112-01(0-2), SB-E11-4-01(0-2) and SB-G11-1-02(0-1), due to blank contamination. Zinc was qualified as estimated in sample SB-Q6-9311-01(0-1) due to the matrix spike recovery. All soil samples were qualified as estimated for beryllium and lead due to the laboratory duplicate precision.

Other Comments – Trip blank TB 9/27/00 contained trichloroethene (1.2 ug/L) and field blank FB-109 contained di-n-butylphthalate (1.5 ug/L) and chromium (7.4 ug/L). Field duplicate precision was not met for 2,4-dinitrotoluene for pair SB-M9-8151-03(0-1.5)/DUP and for nitrocellulose for pair SB-G11-1-02(0-1)/DUP.

SDG 10171

DDNP - No qualification of data.

Phenolics - No qualification of data.

Semivolatiles - Sample WS-H08-1-01 was qualified as estimated for all compounds due to the surrogate recovery, and for benzidine due to the CCAL recovery.

Explosives - Sample WS-H08-1-01 was qualified as 'R' for 4-amino-2,6-dinitrotoluene and 2,4,6-trintrotoluene due to the column percent difference exceeding 90%.

Appendix C

Earth Resources Technology Report

Earth Resources Technology, Inc.

8305 Stayton Drive, Suite B, Jessup, MD 20794
Tel: (301) 604-2883 Fax: (301) 604-2884

June 5, 2000

Edward Meeks
Montgomery-Watson
335 Phoenixville Pike
Malvern, PA 19355

Re: Results of Geophysical Surveys - Kenvil Works Facility; Kenvil, New Jersey

Dear Edward:

Earth Resources Technology, Inc. (ERT) performed magnetic and ground penetrating radar (GPR) surveys at the above referenced site on April 17, through April 28, 2000. The surveys were conducted at seven (7) sites (B13-2, G09-4, K05-1, K05-2, K06-1, M08-1, and N06-1) to determine the presence/absence of any subsurface ferrous materials or other objects.

1.0 Principle And Instrumentation

A Geometrics Portable Cesium Magnetometer, Model G-858, was used for the magnetic survey. Using self-oscillating split-beam Cesium Vapor (non-radioactive CS-133), this magnetometer measures the earth's total geomagnetic field at a particular location in units of gamma (nT) with an accuracy of ±1.0 gamma. It collects a maximum of 10 magnetic readings per second. The total field consists of three components: the main field, the external field, and local variations. The main field remains fixed over the period of time of a field investigation. Local variations are attributable to anomalies near the surface such as buried metal objects or above ground objects containing metallic substance. The effective penetration depth of the instrument is 50 feet.

The pulseEKKO 1000 radar from Sensors & Software, Inc. was used during the survey. The device radiates a 450 MHz electromagnetic wave from a transmitter antenna into the earth and receives at a receiving antenna the reflection of the wave from subsurface interfaces at which changes in the electrical properties (dielectric permittivity and electrical conductivity) of the subsurface materials occur. Dielectric permittivity controls wave speed; and conductivity determines the signal attenuation. Radar reflections occur when the radio waves encounter a change in the velocity or attenuation. The bigger the change in properties the more signal reflected. These properties are largely controlled by water in the material, hence by the porosity and quantity of dissolved solids in the water. For example, metallic objects usually exhibit strong subsurface reflection character due to their high electrical impedance, or contrast, versus surrounding soil or fill. Depth of penetration of the radar signal is reversely proportional to the conductivity of the soil. As a result, electrically resistive earth materials such as coarse-grained, unsaturated sediments allow a deeper radar penetration than the conductive finer-grained soils such as clay and silt. Similarly, reinforced concrete and shallow groundwater are conductive and thus attenuate the radar signals.

2.0 Field Design and Operation

The magnetic surveys were conducted along grids based on a Cartesian coordinate system with fiducial marks every 10-ft. For example, the origin of the coordinate system on the grid in Figure 3.1-1 is located in the southwest corner of the site and has the coordinates {100, 100}.

The magnetic data were collected continuously along each survey line. The 10-ft spaced fiducial marks of the grid were entered during the magnetic data collection for position calibration. The collection of the GPR data was performed by pulling the antenna along each grid line while the positions of each radar reading were recorded with an odometer attached to a survey wheel. The odometer was set up such that one radar reading would be acquired every 0.05-m (0.164-ft). Assuming the subject property is underlain by clay/silt/sand, the average velocity of the radar is estimated around 0.1-m (0.328-ft) per nanosecond (ns). The time range was thus selected as 70-ns and would allow a penetration depth of about 10-feet. The GPR data were recorded digitally in a portable computer for instant display and subsequent processing.

3.0 Results and Interpretations

Magnetic readings are measured in gamma (nT), and they reflect mainly the response from ferrous materials. The approach to interpreting the magnetic data is to distinguish the local variations from the main and external fields. The main field is created by the earth's magnetic field, while the sun and/or moon create the external field. To interpret the data, magnetic readings collected based on the survey grid were used to construct a magnetic contour map. The main field is usually represented by the average of the readings (background) or those readings with little fluctuation. In contrast, the local anomalies often occur as closed or elongated contours that have readings either above or below the background. The closed or elongated contours with readings above the background are considered as the magnetic highs; while the contours with readings below the background are considered as magnetic lows.

Along each GPR profile, the horizontal axis represents the horizontal distance in feet (See Figure 3.1-4 for reference). The left vertical axis represents the two-way travel time in ns and the right vertical axis the depth in feet (converted using the assumed velocity of 0.328 ft/ns). A GPR profile is made of individual traces that have peaks and valleys. The peaks of radar signals represent different interfaces in the subsurface encountered by the penetrating signals. Connecting and coloring the peaks and valleys of successive traces creates a GPR profile. As shown in each profile, the red reflections represent the peaks of individual traces with the highest amplitudes; while the blue reflections are the valleys of individual traces with the lowest amplitudes. The red color is replaced by dark gray of varying degrees for the lower peak amplitudes; and the blue by white for varying degrees of higher valley amplitudes. The red and blue reflections, as discussed in Section 1.0, are created by interfaces with higher dielectric contrasts.

3.1 Site M08-1 (Former Landfill)

Magnetic Survey
Site M08-1 is one of two landfill sites that were surveyed at the Kenvil Works Facility, and the magnetic survey grid that was laid out at this site can be seen in Figure 3.1-1. This site contains a large number of closely spaced, high intensity magnetic anomalies indicative of buried ferrous objects that can be seen in Figure 3.1-2.

GPR Survey
On a typical GPR profile crossing such a landfill area, one would expect strong and chaotic reflections to be associated with the buried materials. Profile A-A' on Figure 3.1-4 (Site M08-1) shows reflections typical of various ferrous debris. The geographic location of Profile A-A' can be seen on Figure 3.1-3.

3.2 Site N06-1 (Former Landfill)

Magnetic Survey
Site N06-1 is the second of two landfill sites that were surveyed at the Kenvil Works Facility, and the magnetic survey grid that was laid out at this site can be seen in Figure 3.2-1. This site also contains a number of closely spaced, high intensity anomalies indicative of buried ferrous objects that can be seen on Figure 3.2-2.

Profile B-B' and Profile C-C' on Figure 3.2-4 (Site N61) show a cross-section (B-B') and a longitudinal view (C-C') of a known process vessel. Profiles D-D' and E-E' on Figure 3.2-5 show similar cross-sectional and longitudinal views of another large known process vessel found in the vicinity. The geographic locations of the GPR lines and the approximate location of the known process vessels are shown on Figure 3.2-3.

3.3 Site K05-1 (Former Drum Disposal Area)

Magnetic Survey
Figure 3.3-1 shows the magnetic survey grid that was laid out at Site K05-1. As shown in Figure 3.3-2, this site contains a linear pattern of magnetic anomalies along with several tight groupings of high intensity anomalies. This may indicate the presence of ferrous objects beneath the subsurface.

GPR Survey
The GPR profiles acquired at site K05-1 reveal reflections typical of heavy ferrous debris. Profile F-F' on Figure 3.3-4 shows a heavy debris area found at this site. The geographic location of F-F' can be seen on Figure 3.3-3.

3.4 K05-2 (Pond)/ K06-1 (Debris Area)

Magnetic Survey
Figure 3.4-1 shows the magnetic survey grid that was laid out at the Pond/Debris Site. As shown in Figure 3.4-2, this site also contains numerous low intensity anomalies along with several tight groupings of high intensity anomalies. This may indicate isolated ferrous objects beneath the subsurface.

GPR Survey
The profiles collected at the Pond/Debris Site (Figure 3.4-4) also contain reflections typical of heavy debris, but also reveal an anomaly located at a depth. Profiles G-G' (cross-section) and H-H' (longitudinal view) show this anomaly. The location of these profiles is shown on Figure 3.4-3.

3.5 Site B13-2 (Gravel Pit)

Magnetic Survey
Figure 3.5-1 shows the magnetic survey grid that was laid out at Site B13-2. As shown in Figure 3.5-2, this site is similar in appearance to the K05-1 and K05-2 sites. A large number of low to high intensity anomalies occur at this site. These anomalies may indicate isolated ferrous objects or debris buried in the subsurface.

GPR Survey
Site B13-2 also contains heavy to moderate ferrous debris. A typical profile (I-I') can be seen in Figure 3.5-4, and its geographic location is shown in Figure 3.5-3.

3.6 Site G09-4 (Buried Drum Area)

Magnetic Survey
Figure 3.6-1 shows the magnetic survey grid that was laid out at Site G09-4. As shown in Figure 3.6-2, this site contains only two high intensity anomalies that may represent isolated ferrous objects or debris.

GPR Survey
Figure 3.6-4 shows a typical profile (J-J') acquired at the G09-4 site and contains light to moderate debris in the vicinity of the magnetic anomalies seen in Figure 3.6-2. Its location can be found on Figure 3.6-3.

4.0 CLOSING

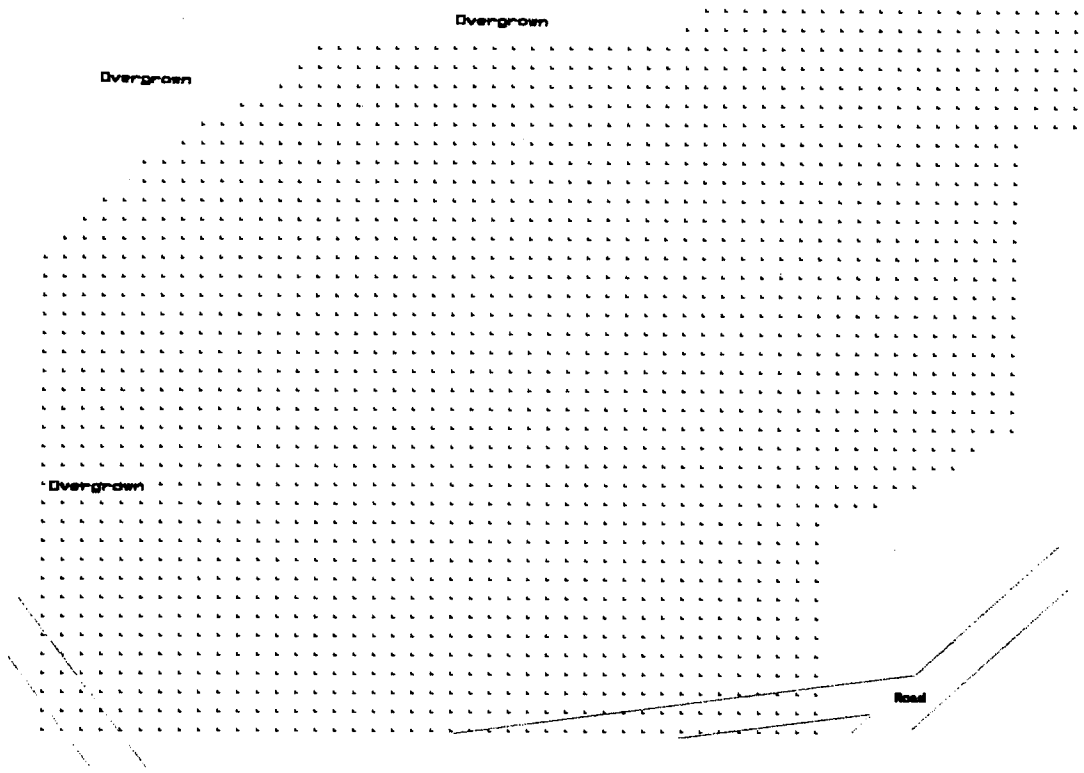
The results of the geophysical investigations suggest that the highest density of landfill materials occurs at sites M08-1 and N06-1. Site N06-1 also contains two known process vessels. Site K05-1, B13-2, and K05-2 contain numerous low intensity anomalies (possibly light debris) and linear patterns of magnetic anomalies. The Pond/Debris Site also contains an unidentified, large, ferrous object. Site

G09-4 contains light to moderate debris at isolated points. These conclusions are generalized and based on the magnetometer and GPR data acquired within the confines of this survey.

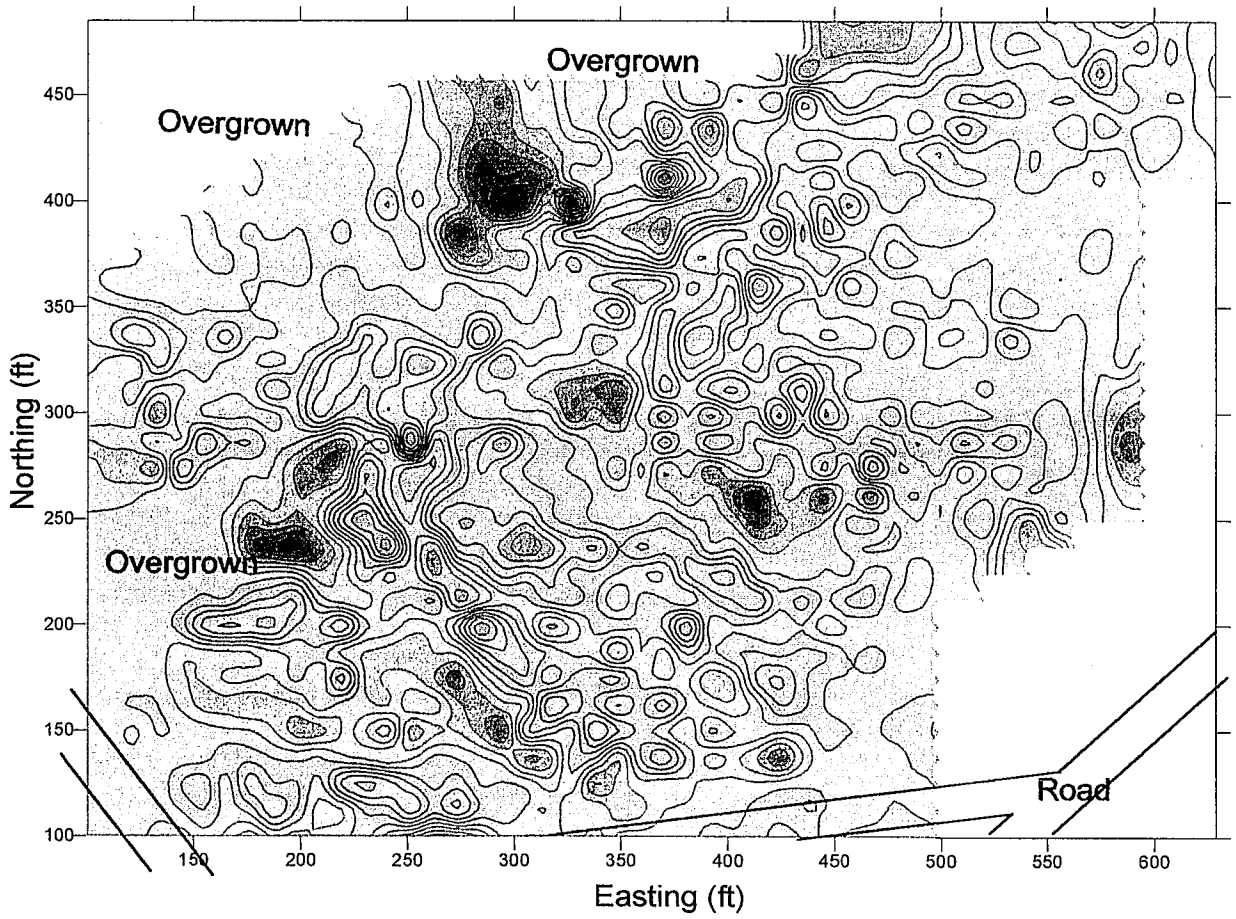
The field procedures and interpretative methodologies used in this project are consistent with standard, recognized practices in similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. This warranty is in lieu of all other warranties either implied or expressed. **ERT** assumes no responsibility for interpretations made by others based on work performed by, or recommendations made by, **ERT.**

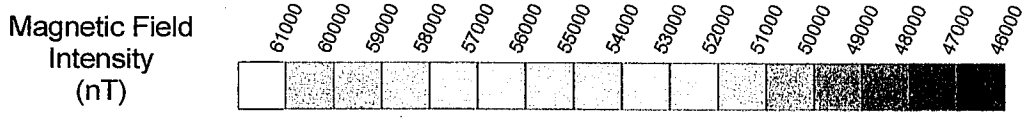
Sincerely,
Earth Resources Technology, Inc.

Peter H. Li, Ph.D., P.G.
Principal Geophysicist

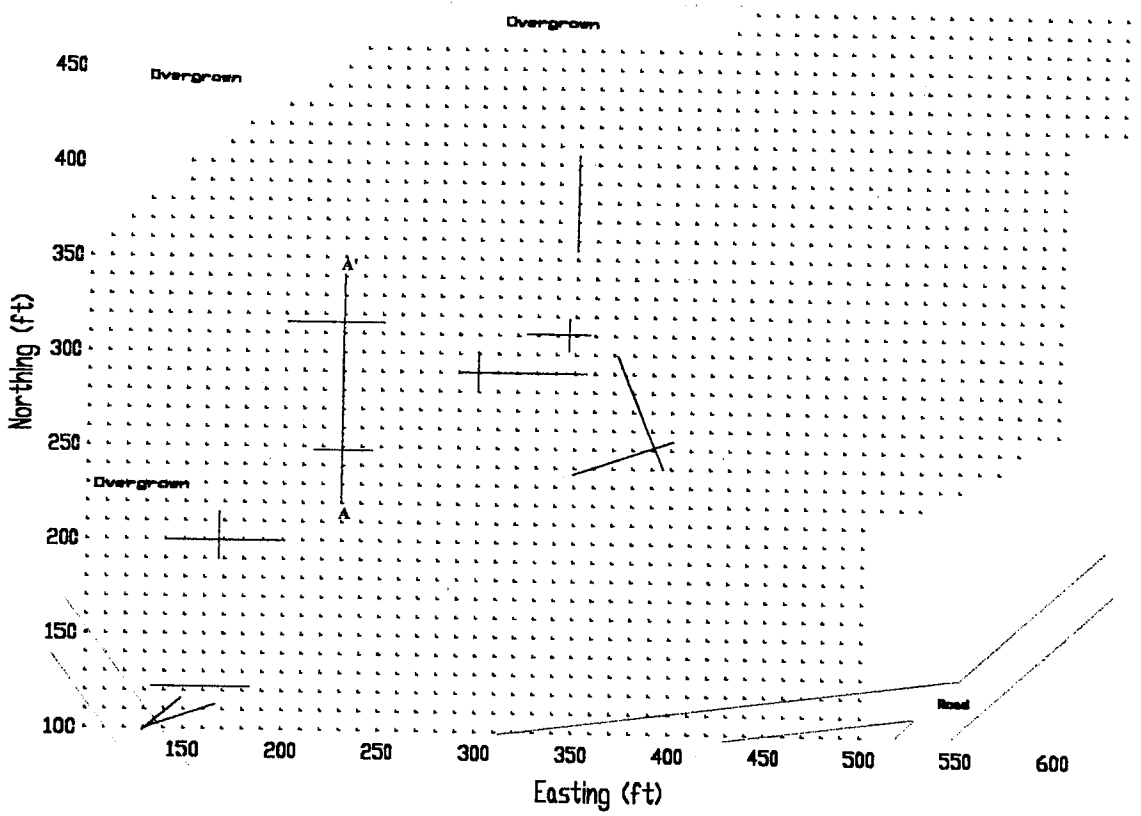


MAGNETIC SURVEY GRID M08–1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.1–1	SCALE: 1" = 100'	MAY 10, 2000





MAGNETIC CONTOUR MAP M08-1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.1-2	SCALE: 1" = 100'	MAY 10, 2000



GPR SURVEY MAP

M08-1 SITE

KENVIL, NEW JERSEY

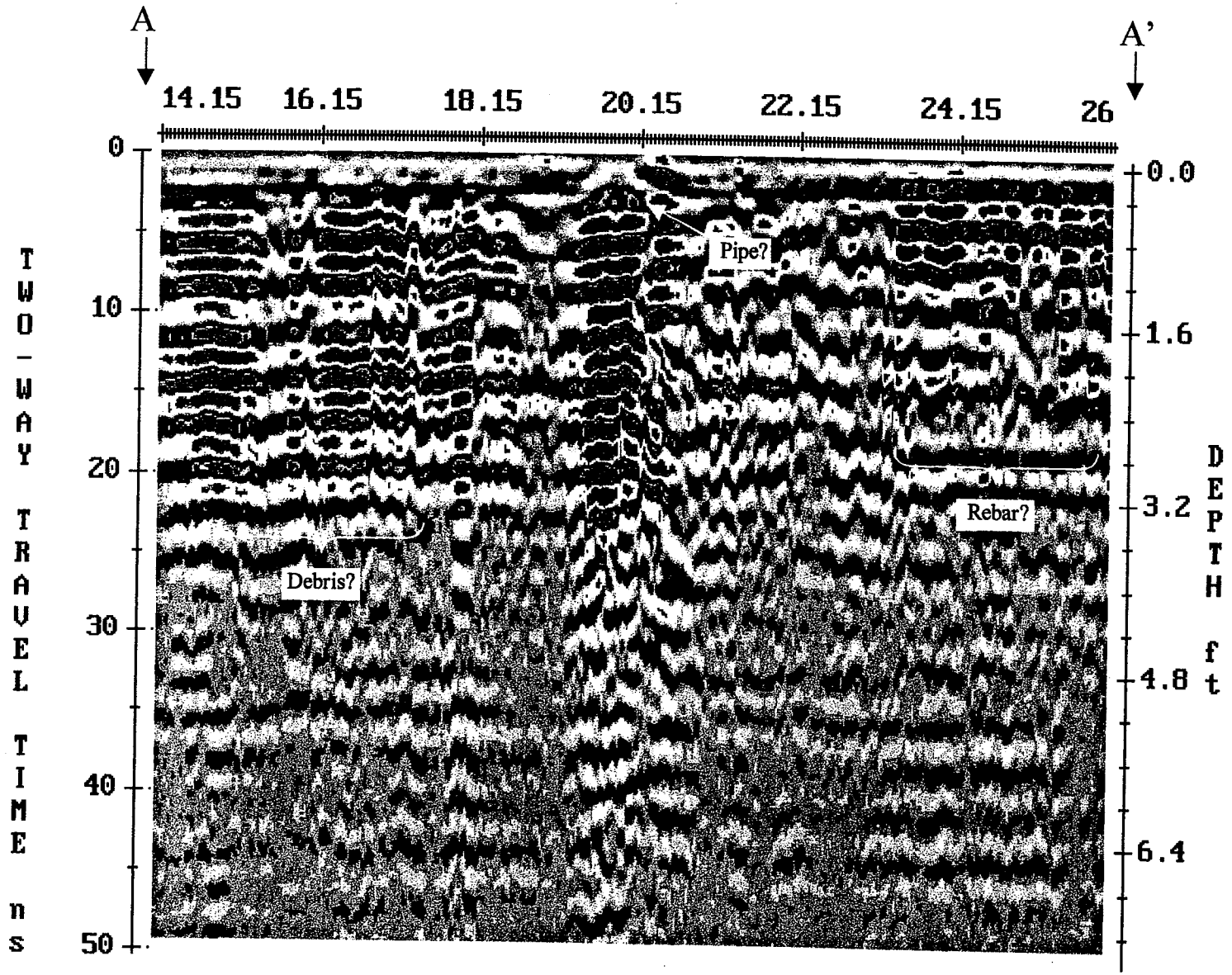
EARTH RESOURCES TECHNOLOGY

ERT

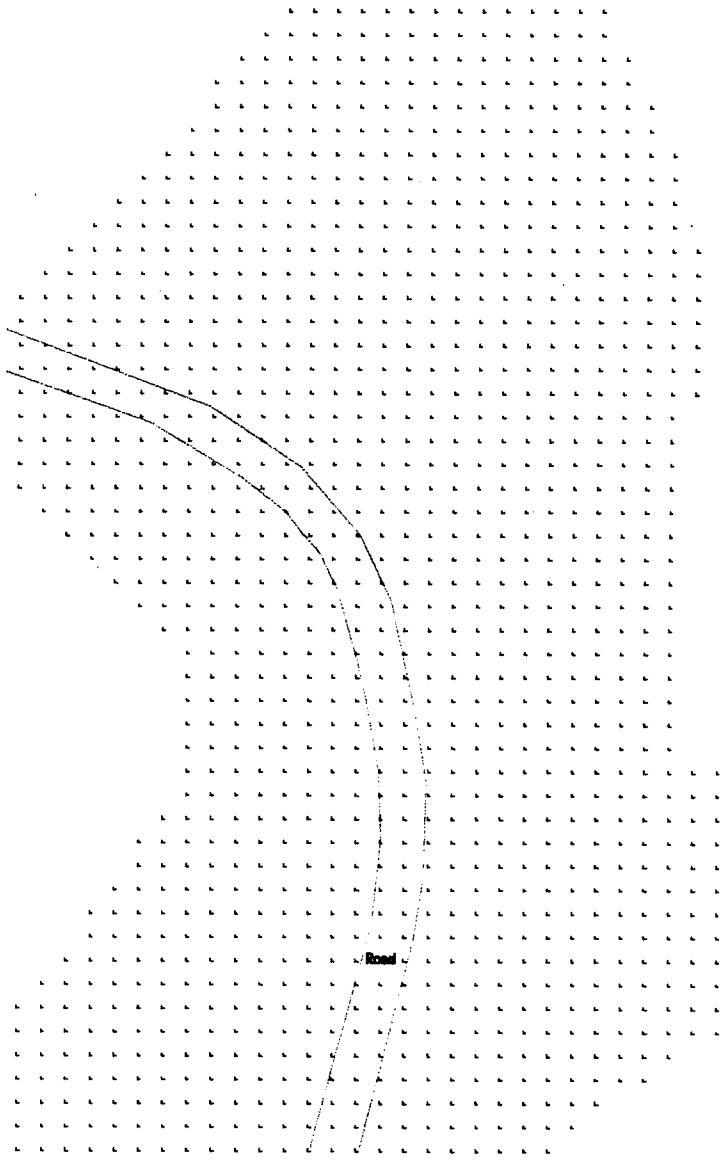
FIGURE 3.1-3

SCALE: 1" = 100'

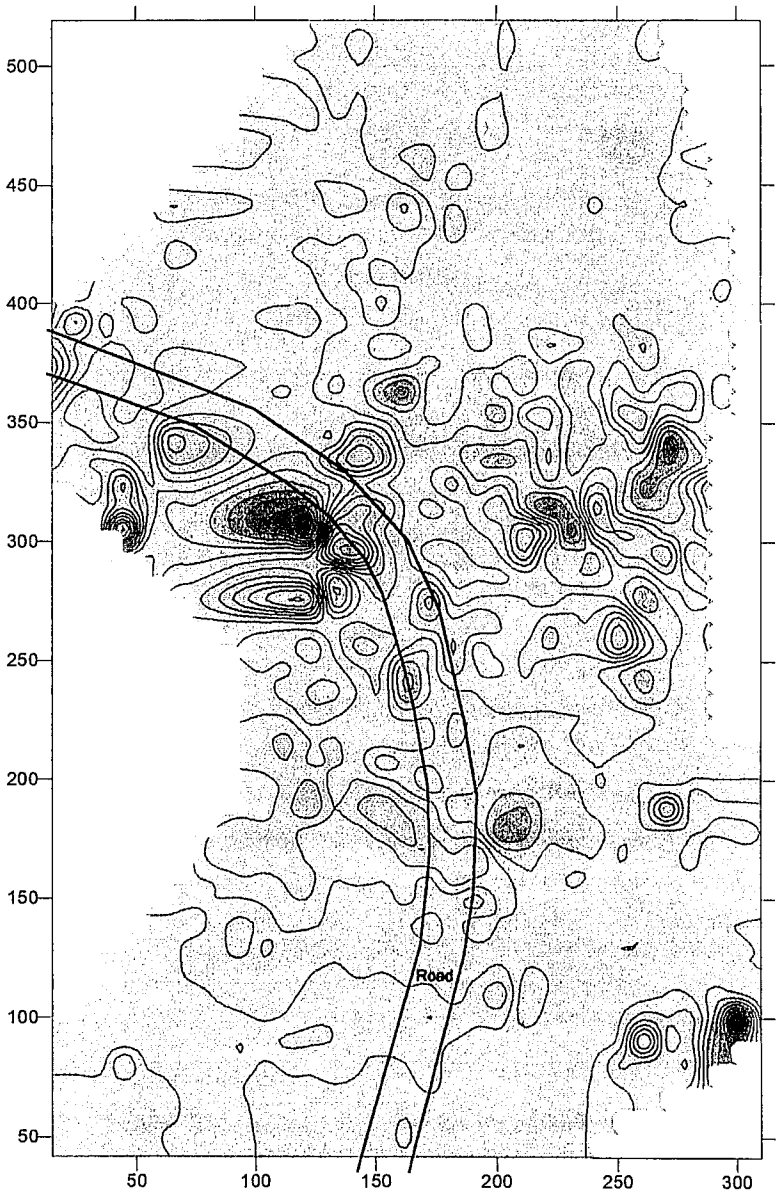
MAY 10, 2000



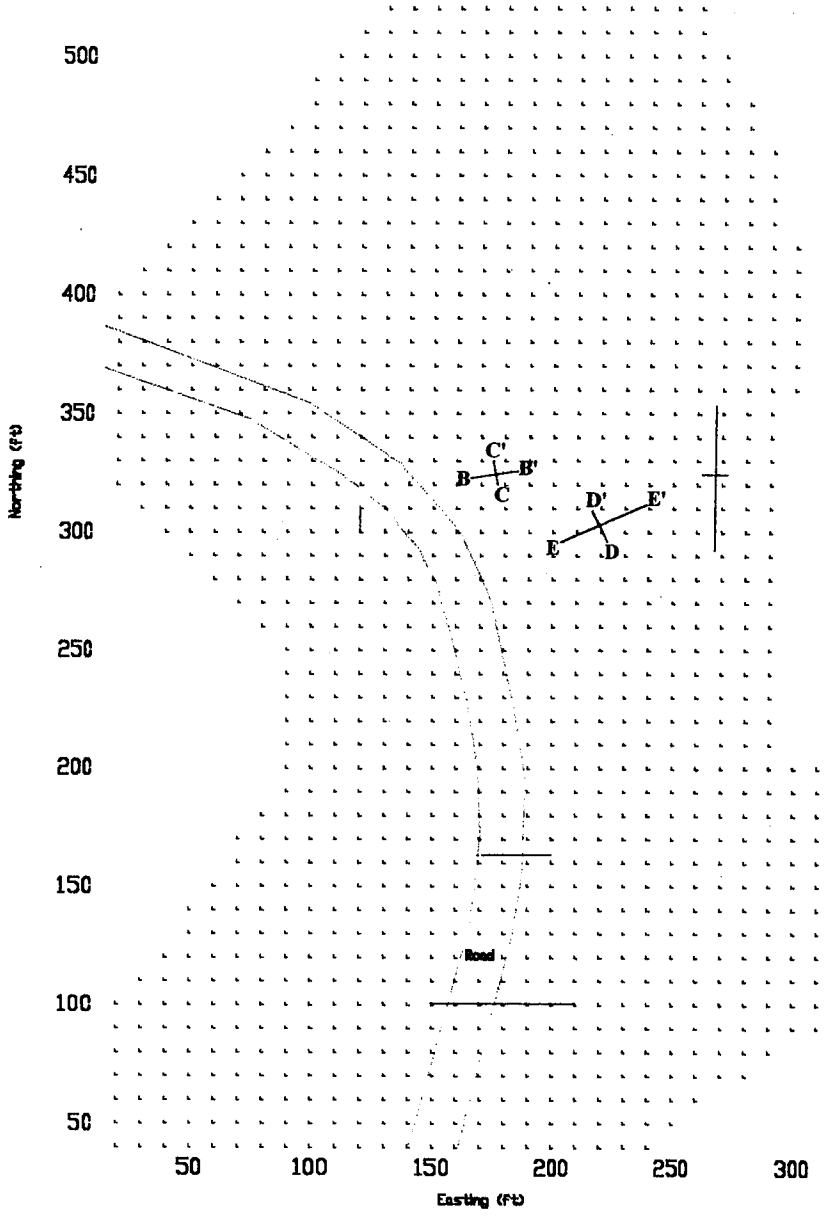
EARTH RESOURCES TECHNOLOGY	GPR PROFILE A-A'	FIGURE 3.1-4
SCALE AS SHOWN	SITE M08-1 HERCULES, NEW JERSEY	April 02, 2001



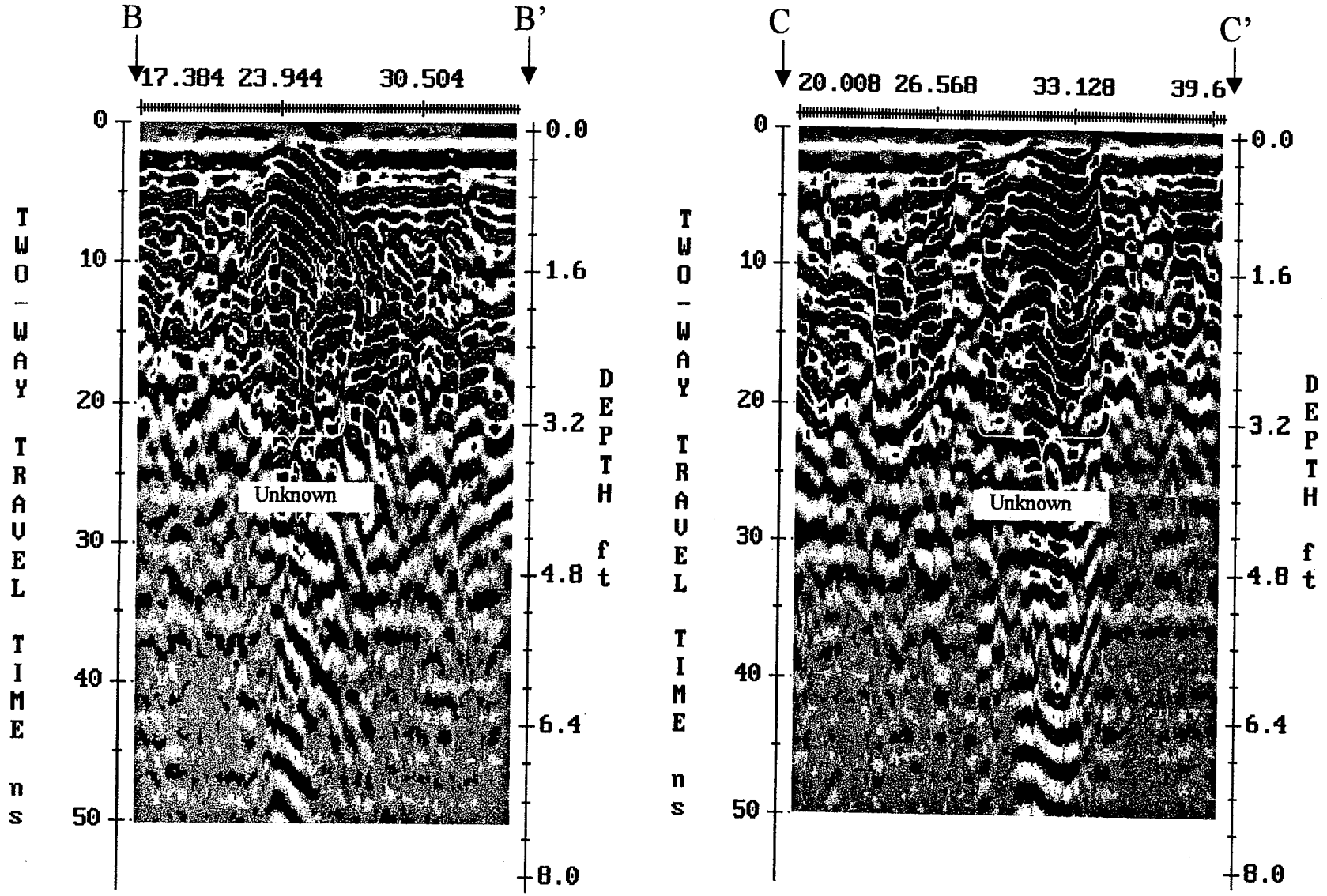
MAGNETIC SURVEY GRID N06–1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.2–1	SCALE: 1" = 80'	MAY 10, 2000



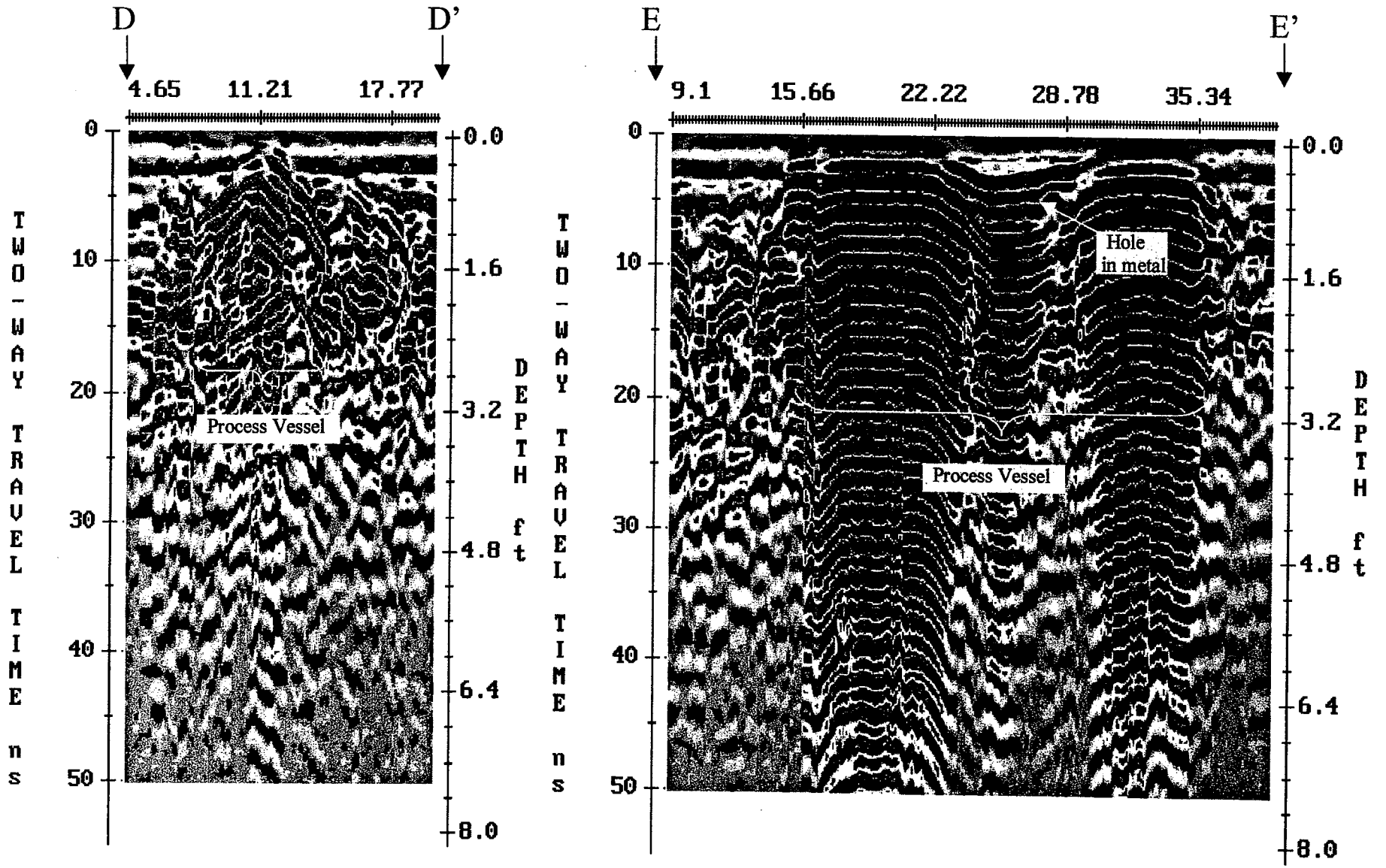
MAGNETIC CONTOUR MAP N06-1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.2-2	SCALE: 1" = 50'	MAY 10, 2000



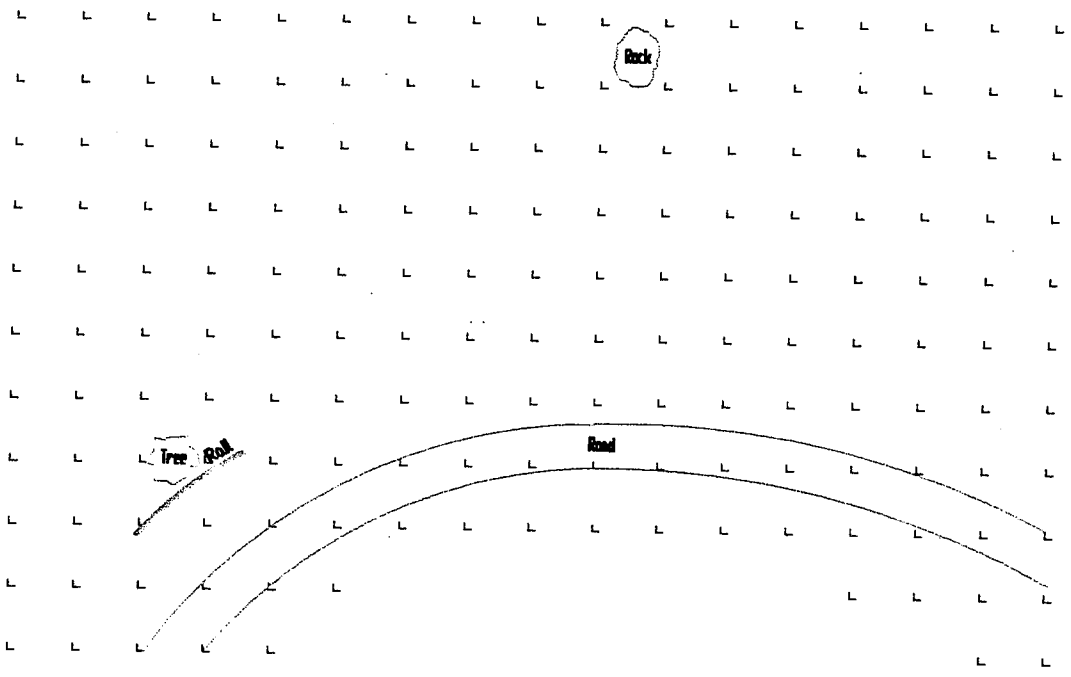
GPR SURVEY MAP N06–1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.2–3	SCALE: 1" = 80'	MAY 10, 2000



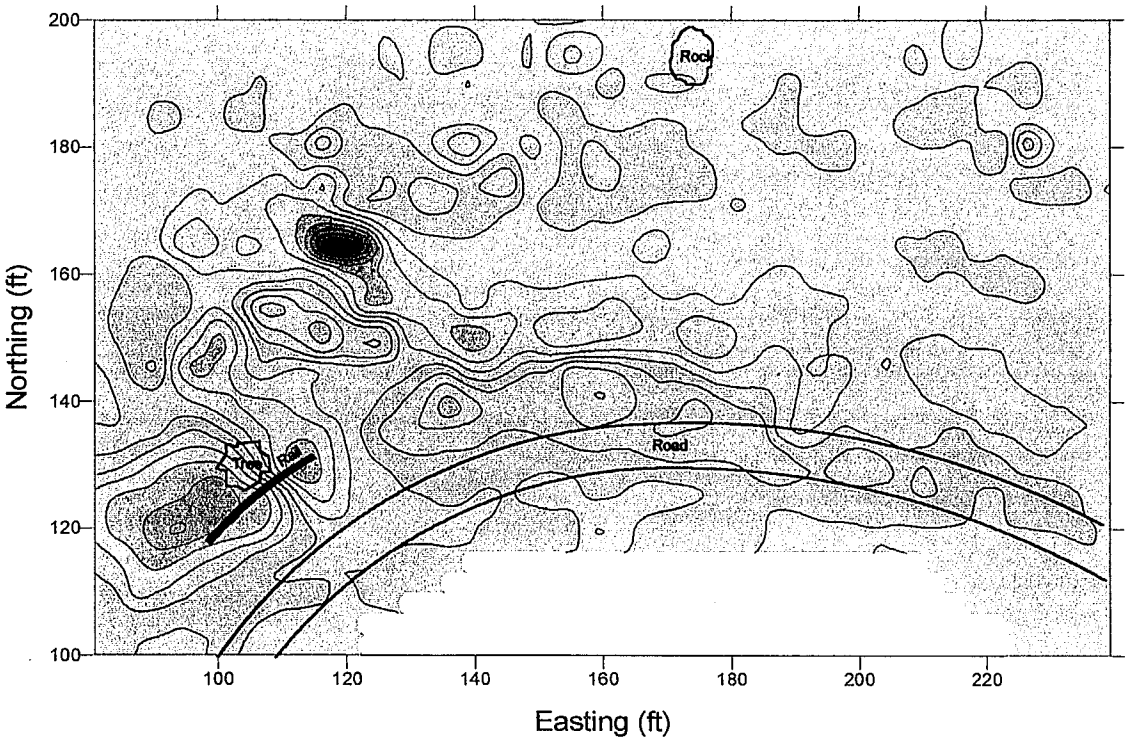
ERT EARTH RESOURCES TECHNOLOGY	GPR PROFILE B-B' and C-C' SITE N06-1 HERCULES, NEW JERSEY	FIGURE 3.2-4
SCALE AS SHOWN		April 02, 2001

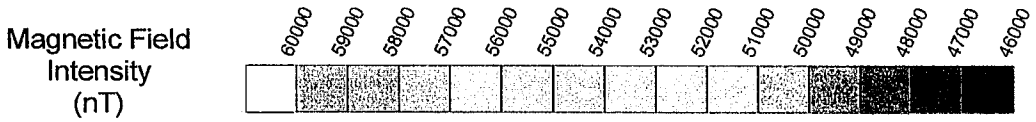


EARTH RESOURCES TECHNOLOGY	GPR PROFILE D-D' and E-E' SITE N06-1 HERCULES, NEW JERSEY	FIGURE 3.2-5
SCALE AS SHOWN		April 02, 2001

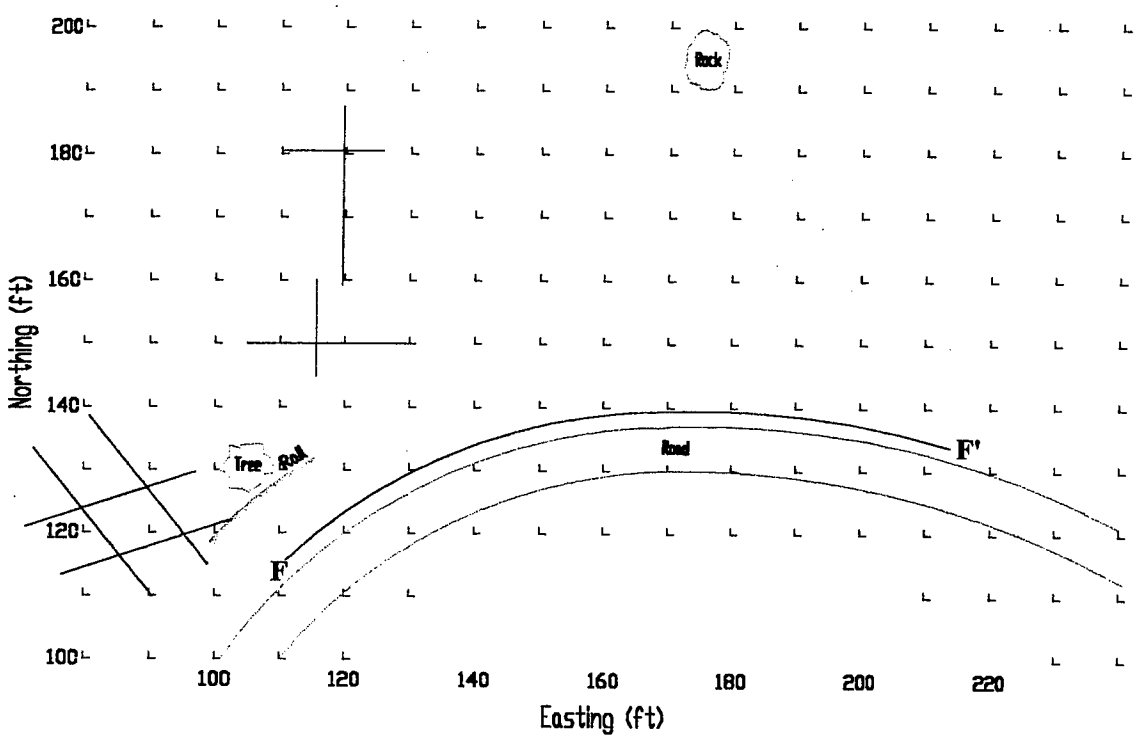


MAGNETIC SURVEY GRID K05–1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.3–1	SCALE: 1" = 30'	MAY 10, 2000

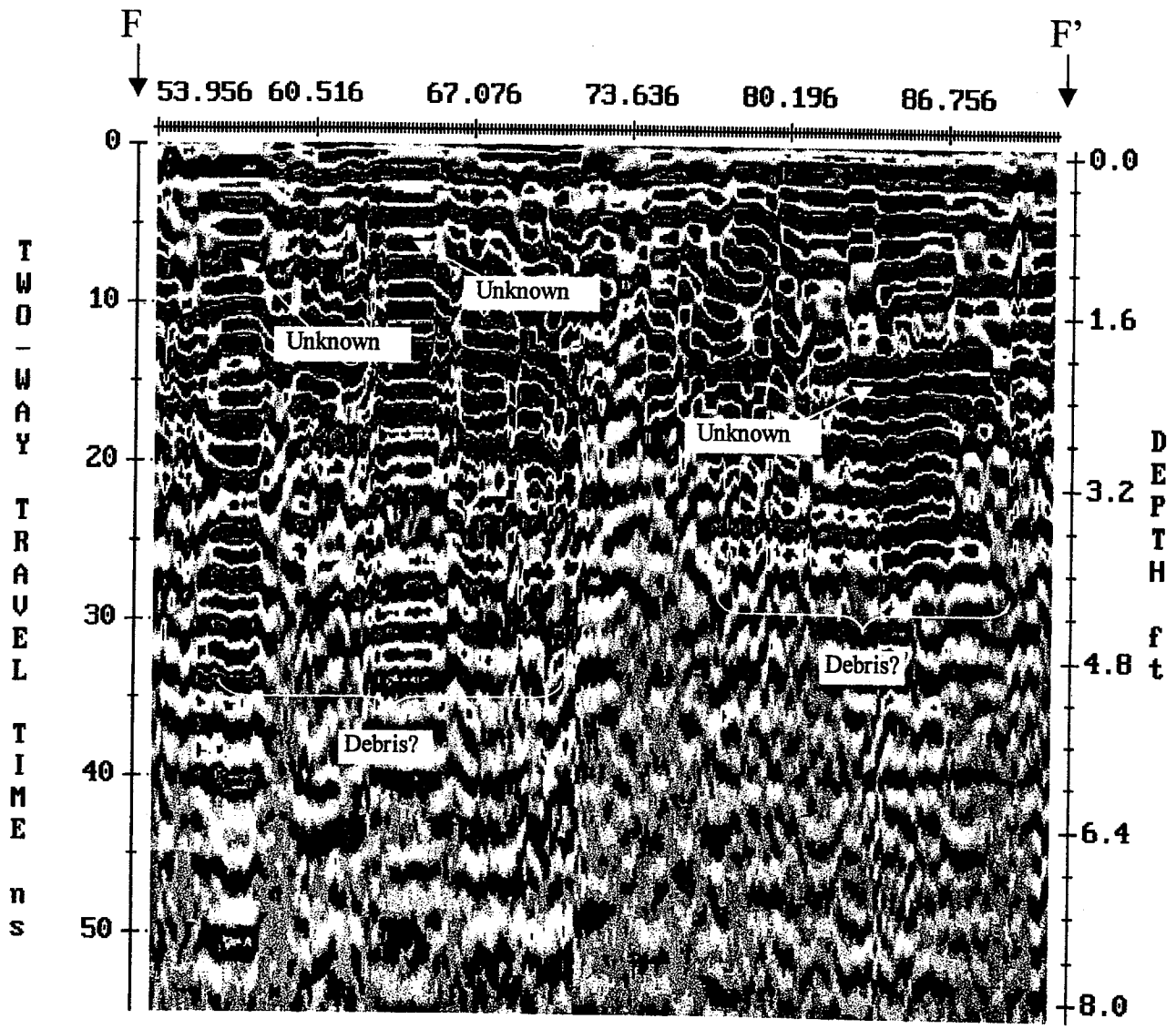




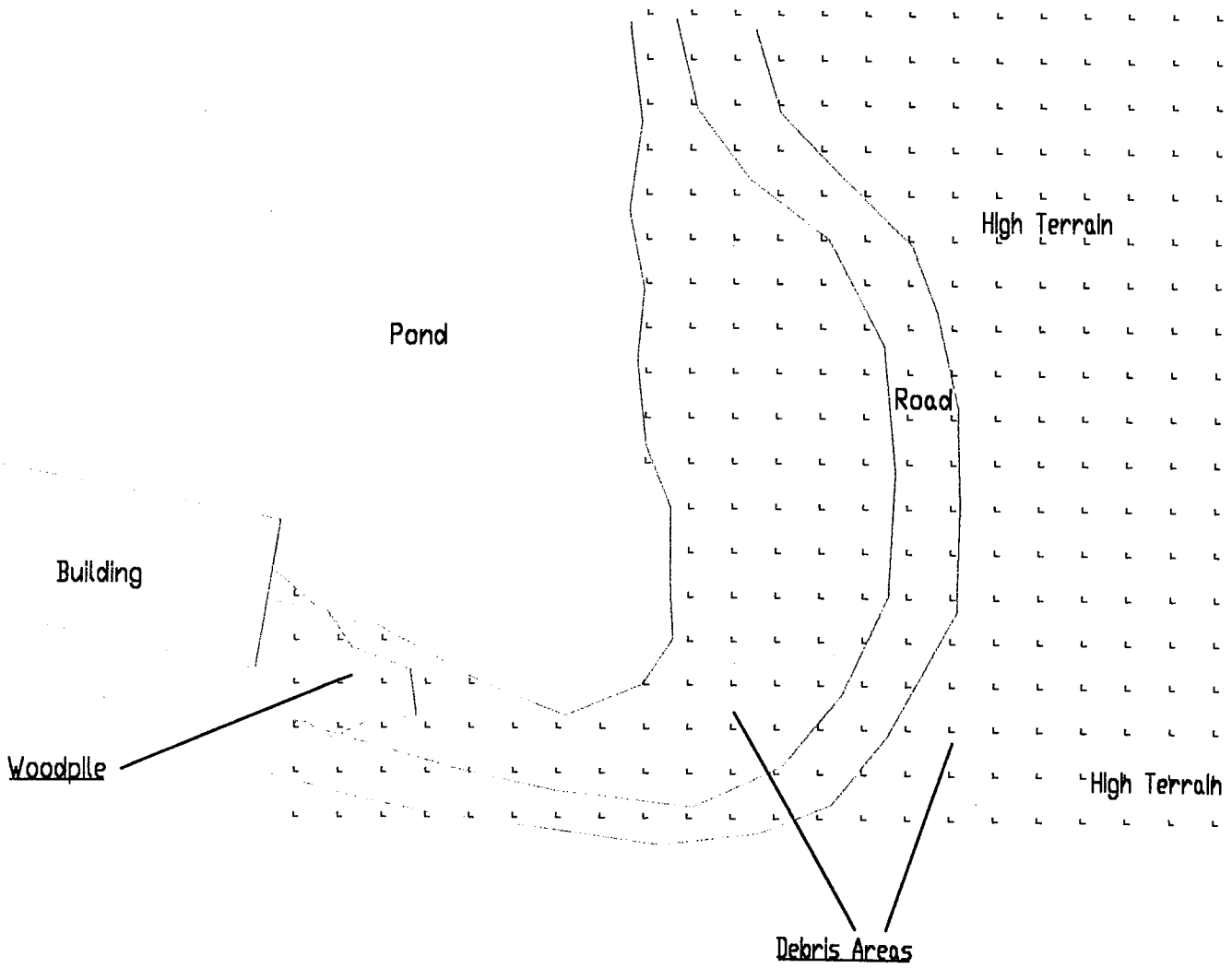
MAGNETIC CONTOUR MAP K05-1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.3-2	SCALE: 1" = 30'	MAY 10, 2000



GPR SURVEY MAP K05–1 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.3–3	SCALE: 1" = 30'	MAY 10, 2000



ERT EARTH RESOURCES TECHNOLOGY	GPR PROFILE F-F"	FIGURE 3.3-4
SCALE AS SHOWN	SITE K05-1 HERCULES, NEW JERSEY	April 02, 2001



EARTH RESOURCES TECHNOLOGY

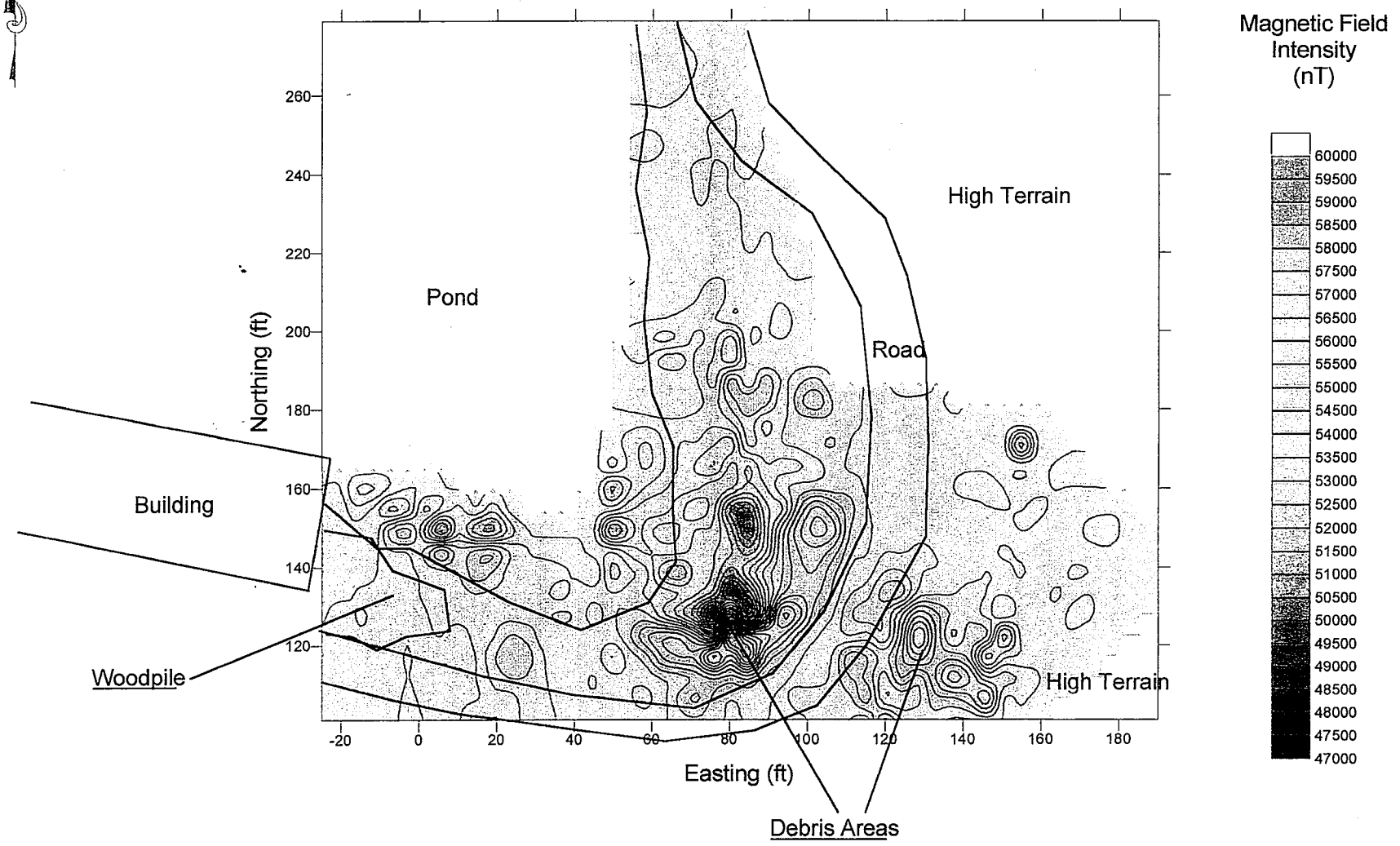
MAGNETIC SURVEY GRID

K05-2 AND K06-1 SITE
KENVIL, NEW JERSEY

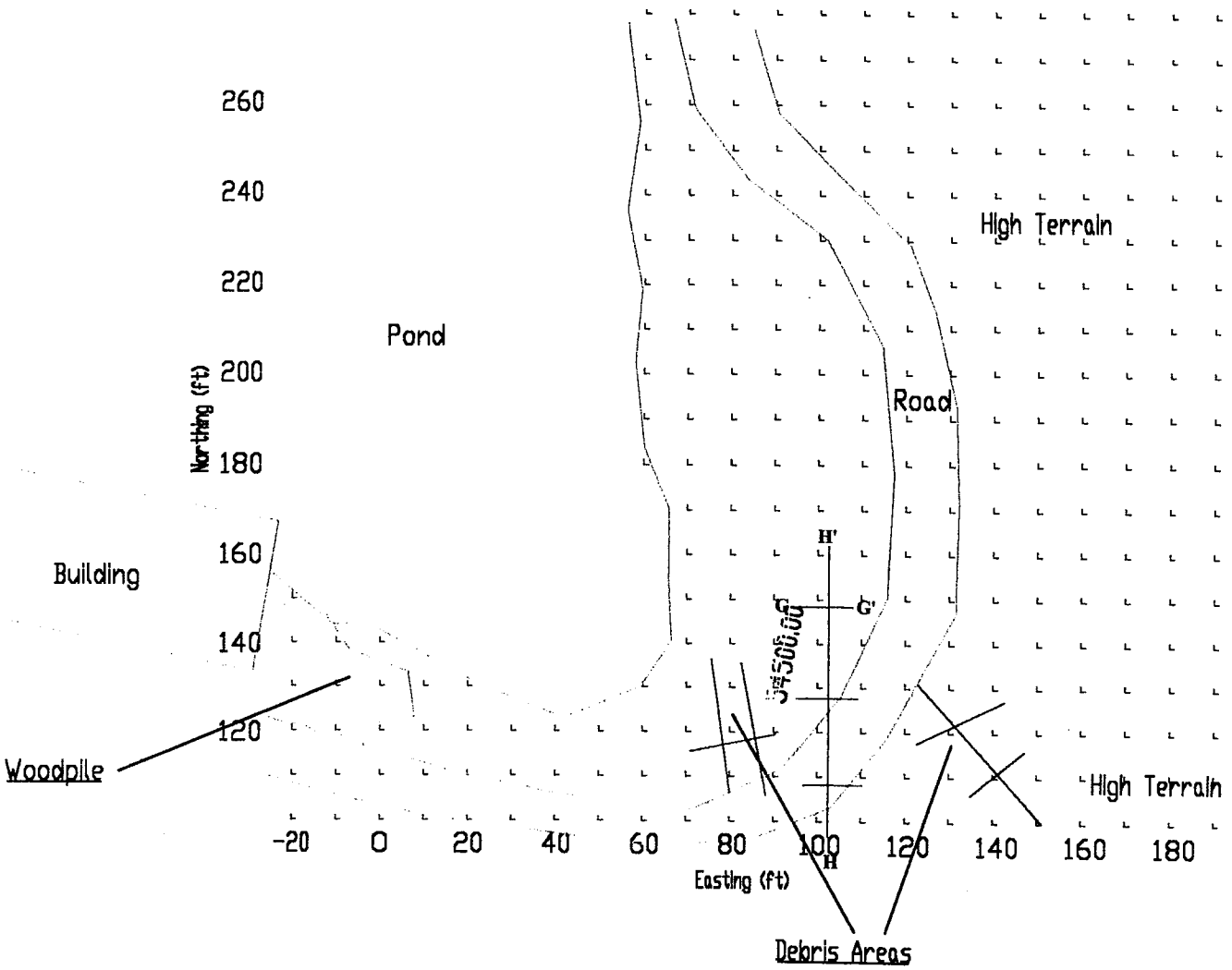
FIGURE 3.4-1

1" = 40'

MAY 10, 2000



EARTH RESOURCES TECHNOLOGY	MAGNETIC CONTOUR MAP K05-2 AND K06-1 SITE KENVIL, NEW JERSEY	FIGURE 3.4-2 1" = 40' MAY 10, 2000



EARTH RESOURCES TECHNOLOGY

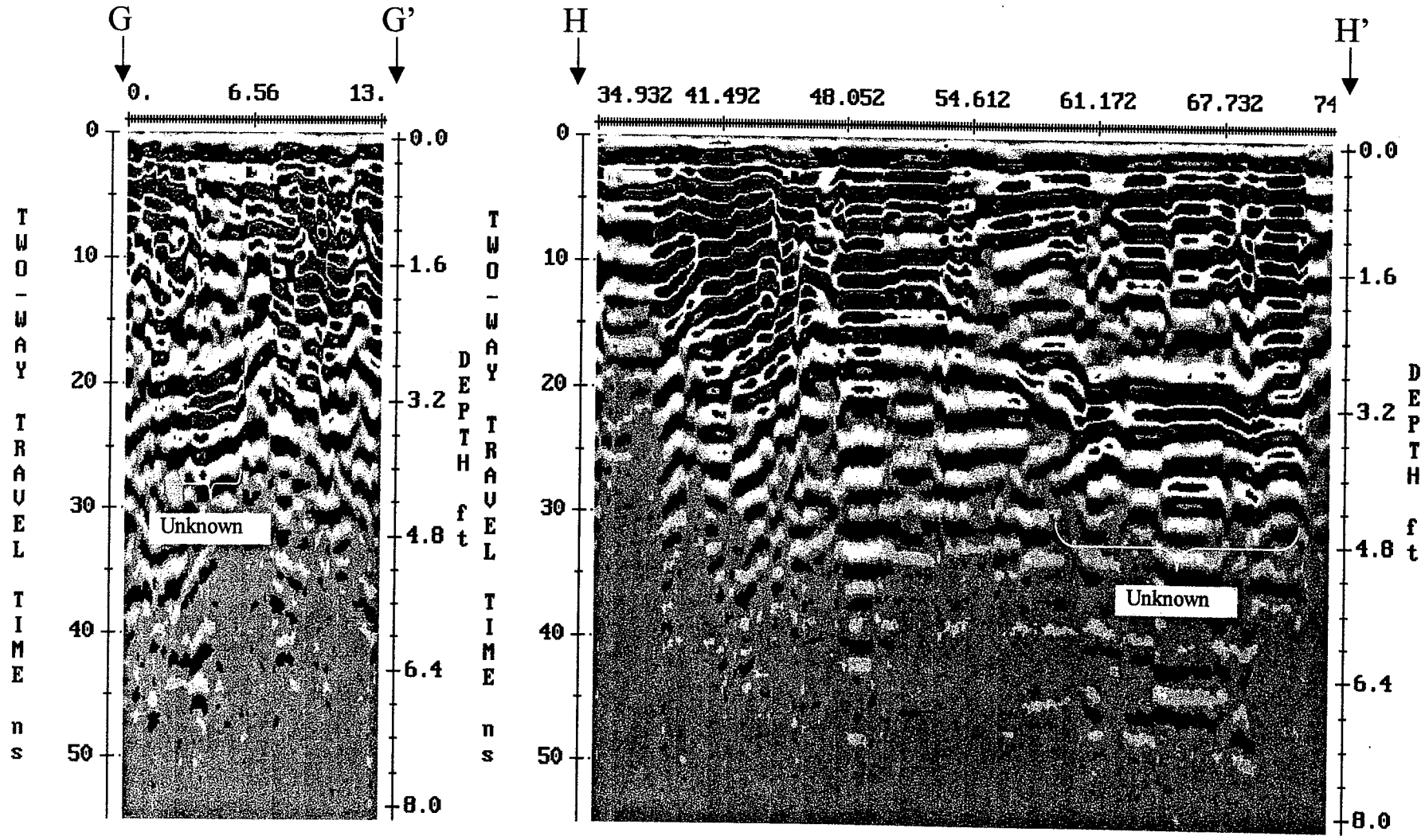
GPR SURVEY MAP

K05-2 AND K06-1 SITE
KENVIL, NEW JERSEY

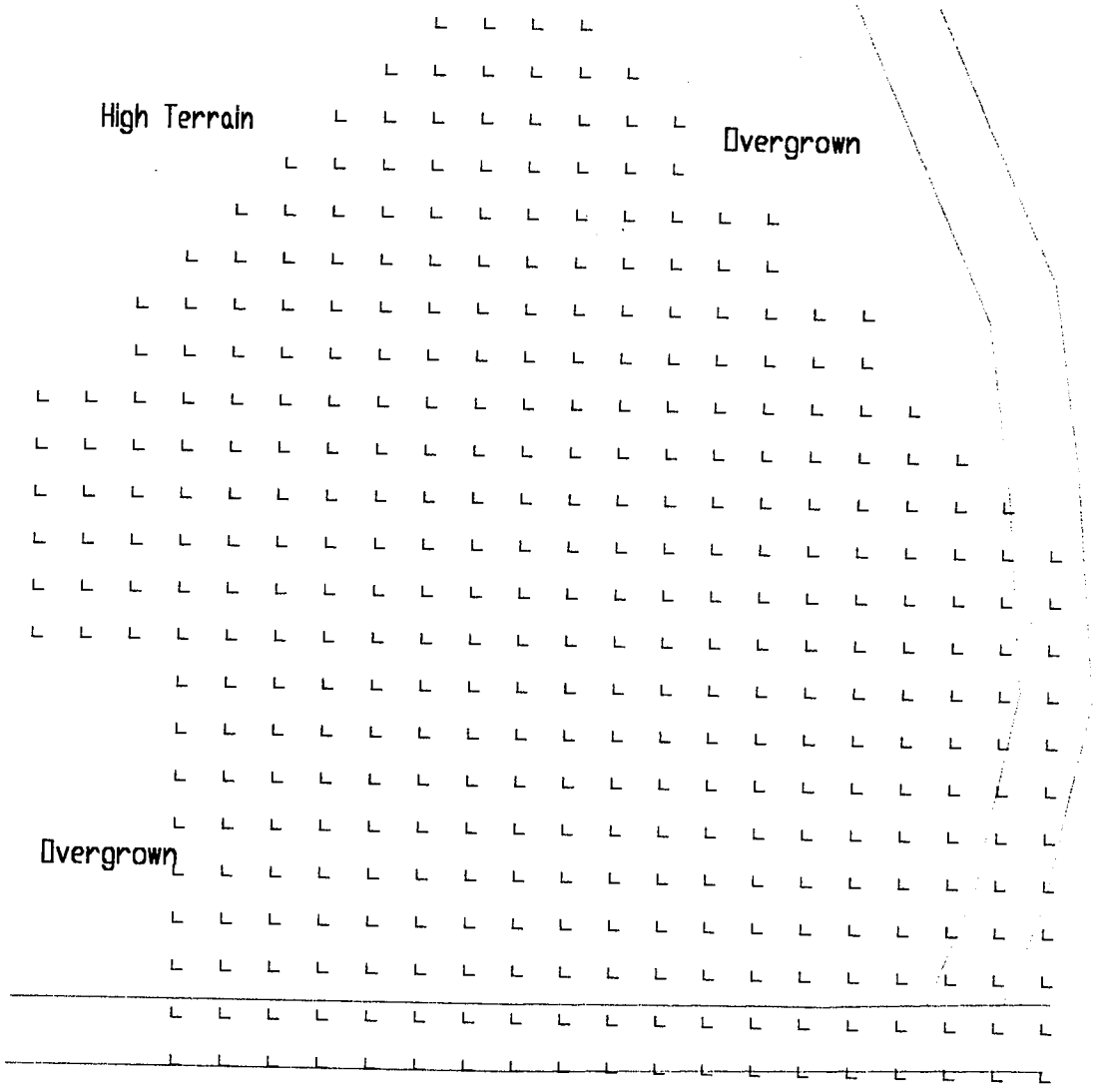
FIGURE 3.4-3

1" = 40'

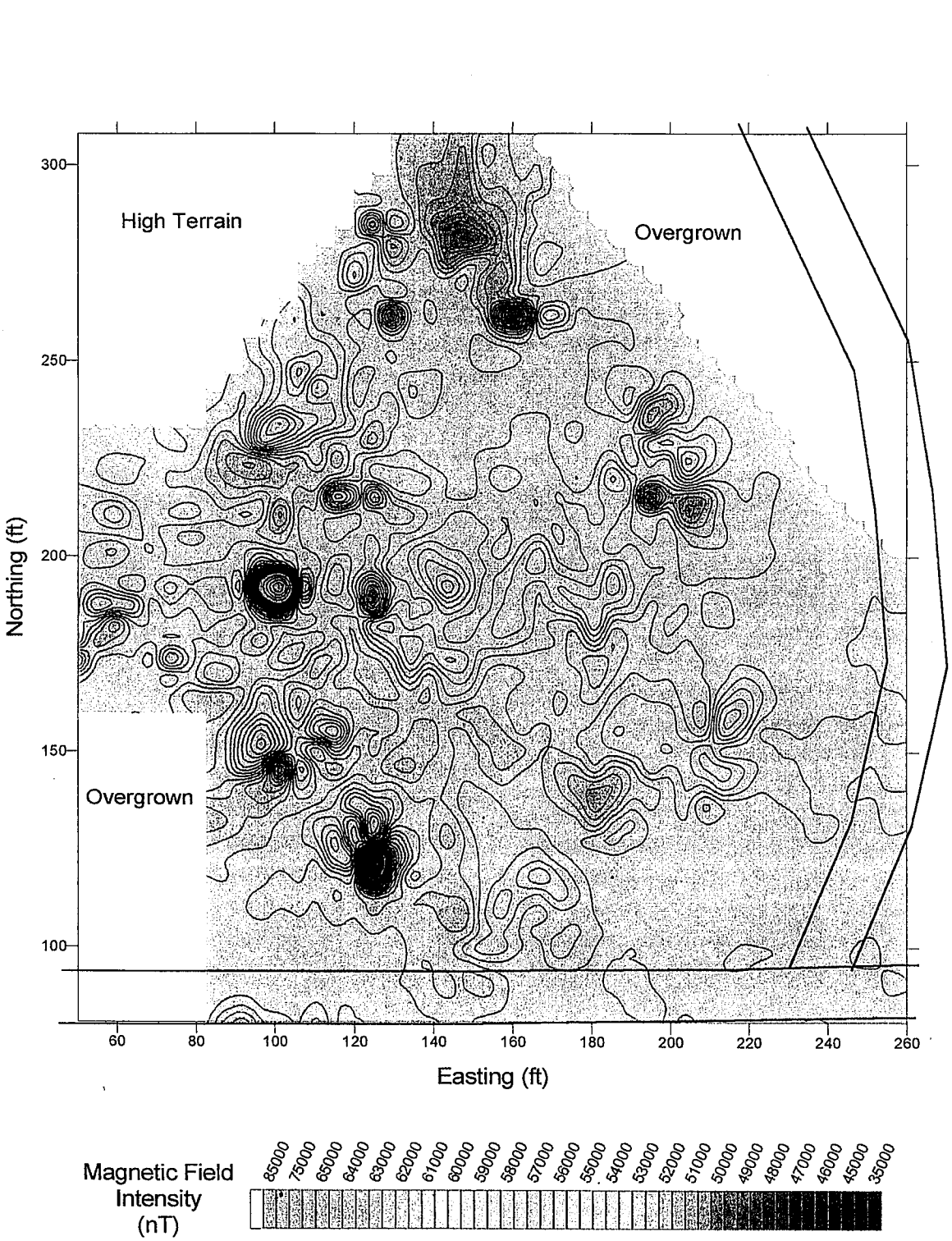
MAY 10, 2000



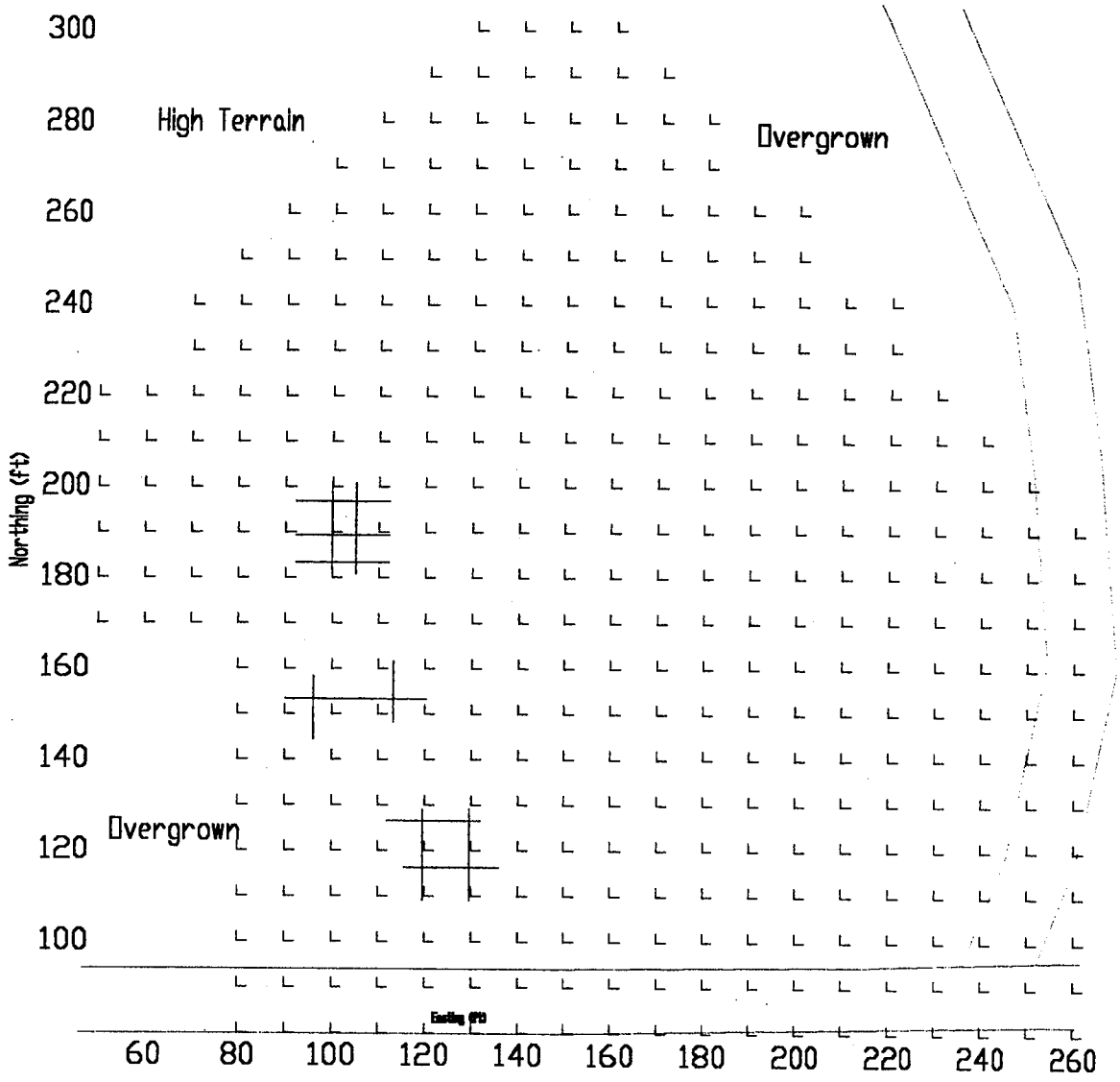
ERT EARTH RESOURCES TECHNOLOGY	GPR PROFILE G-G' and H-H'	FIGURE 3.4-4
SCALE AS SHOWN	POND SITE (K05-2 and K06-1) HERCULES, NEW JERSEY	April 02, 2001



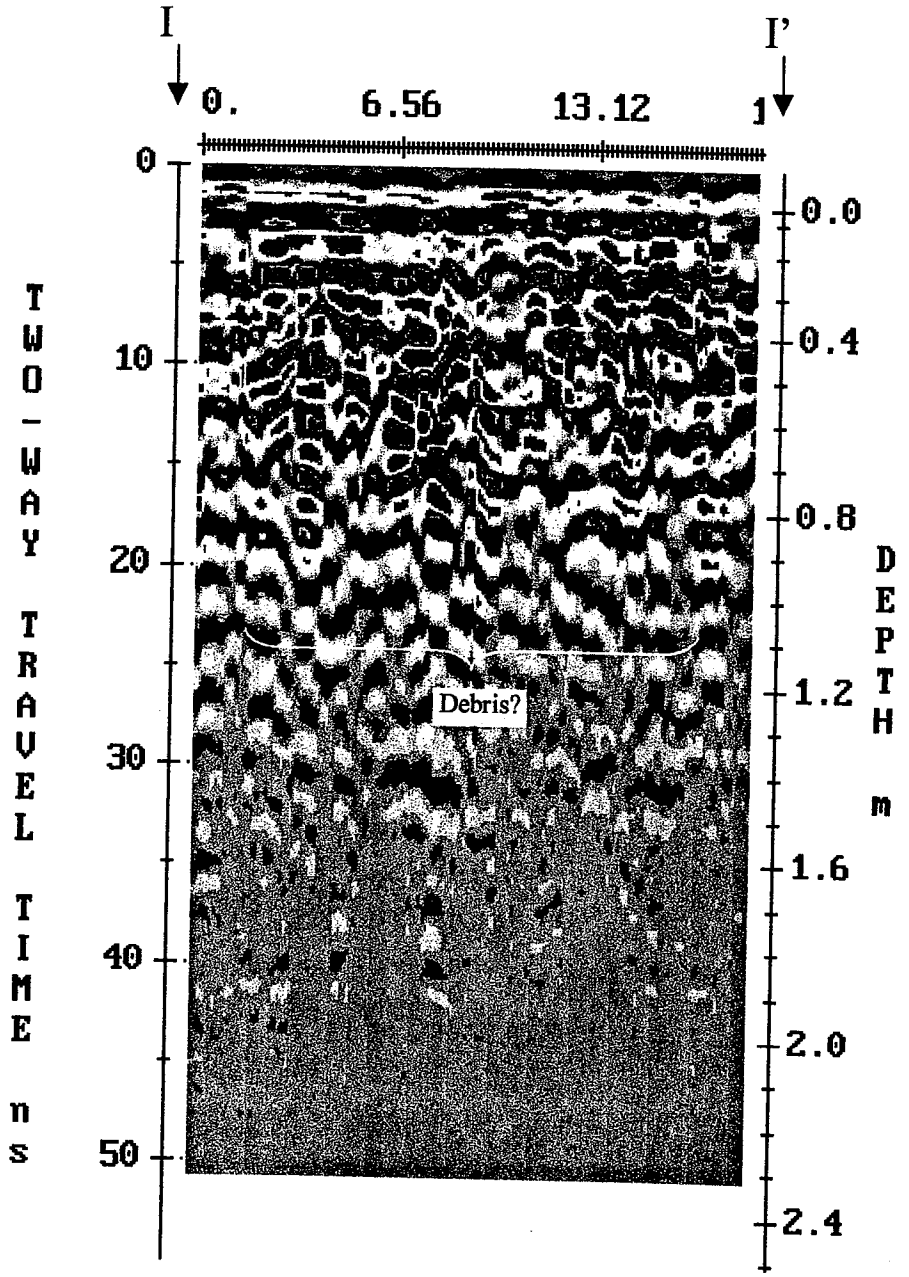
MAGNETIC SURVEY GRID B13–2 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.5–1	SCALE: 1" = 40'	MAY 10, 2000



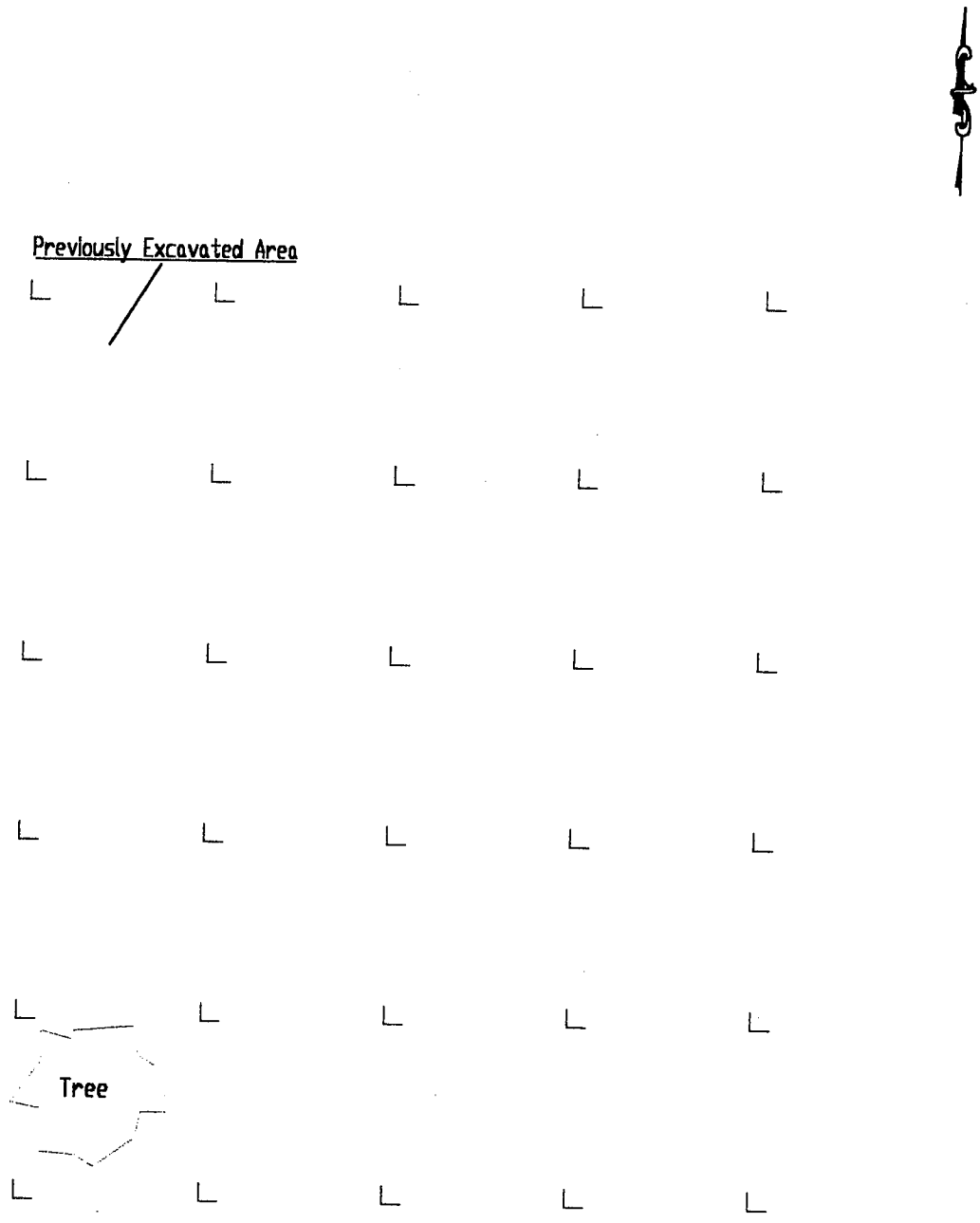
MAGNETIC CONTOUR MAP B13-2 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.5-2	SCALE: 1" = 40'	MAY 10, 2000



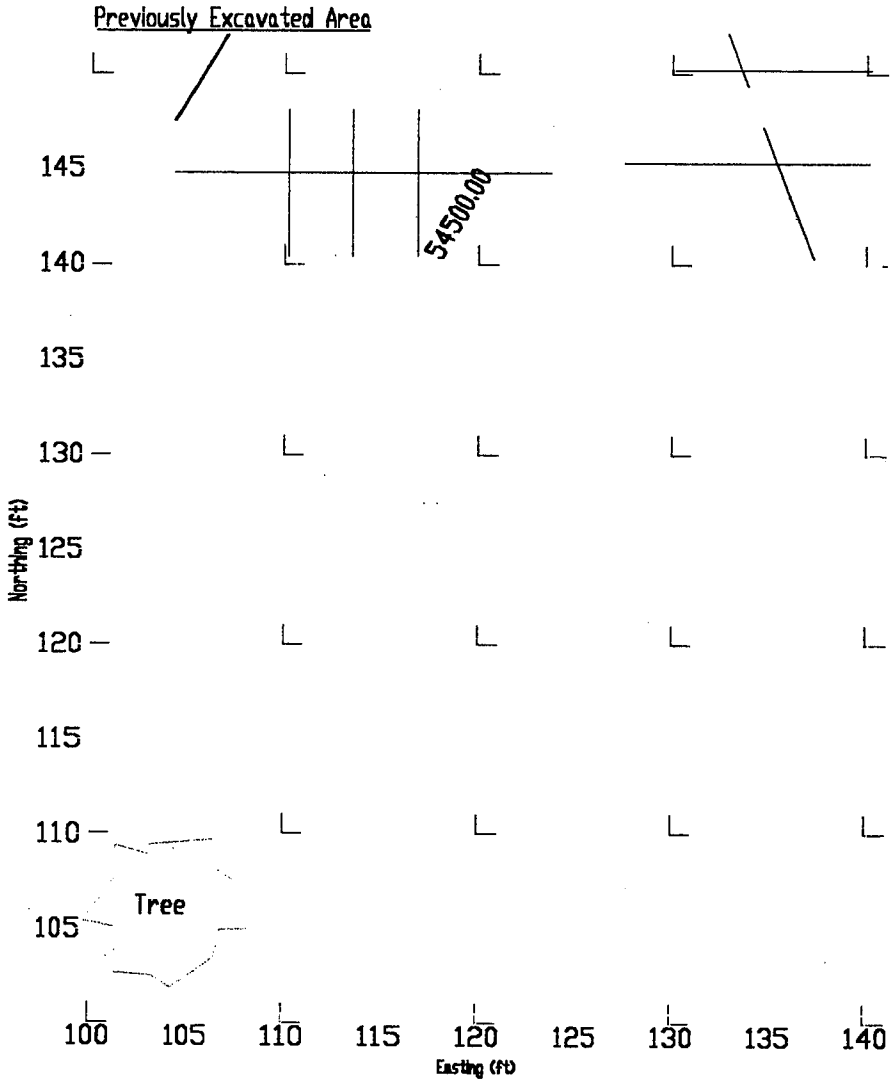
GPR SURVEY MAP B13-2 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.5-3	SCALE: 1" = 40'	MAY 10, 2000



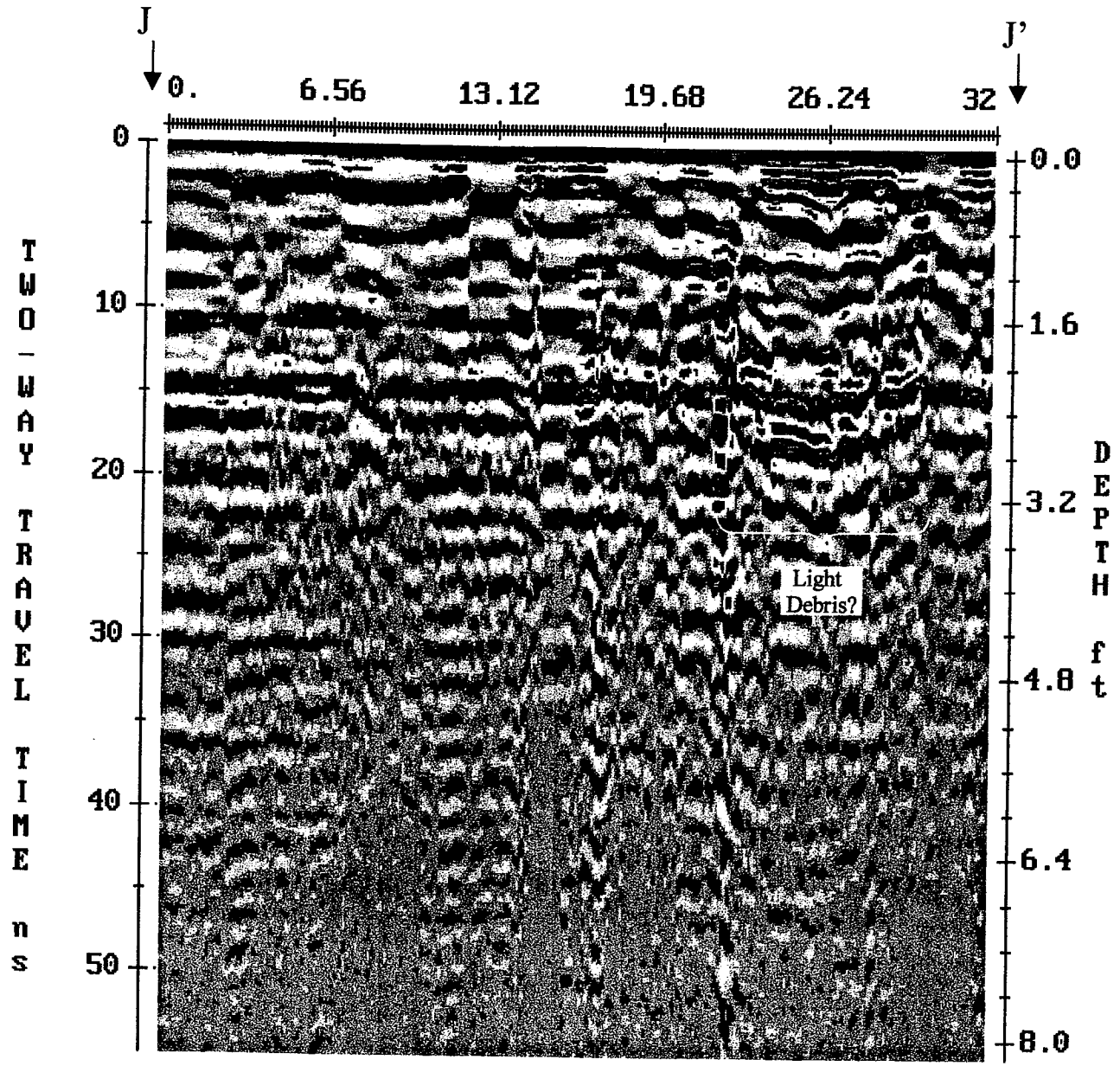
ERT EARTH RESOURCES TECHNOLOGY	GPR PROFILE I-I'	FIGURE 3.5-4
SCALE AS SHOWN	SITE B13-2 HERCULES, NEW JERSEY	April 02, 2001



MAGNETIC SURVEY GRID G09–4 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	
FIGURE 3.6–1	SCALE: 1" = 10'	MAY 10, 2000



GPR SURVEY MAP G09-4 SITE KENVIL, NEW JERSEY	EARTH RESOURCES TECHNOLOGY	ERT
FIGURE 3.6-3	SCALE: 1" = 10'	MAY 10, 2000



EARTH RESOURCES TECHNOLOGY	GPR PROFILE J-J'	FIGURE 3.6-4
SCALE AS SHOWN	SITE G09-4 HERCULES, NEW JERSEY	April 02, 2001

HERCULES

Hercules - Kenvil Works Facility
Kenvil, New Jersey

Soils Site Investigation

Volume II - Historical Map Review, Sampling Plan, Background, Exceedance Summary, NFA and FA Tables

May 2004

MWH

Table 1-7

List of Maps Utilized During Historical Site/Map Review
Phase I – Site Investigation
Kenvil Works Facility, New Jersey

1	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 1 of 14	
		Date Constructed:	6/4/1943
		Operational Areas depicted on Figure:	Development and Miscellaneous/Offsite Areas
2	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 2 of 14	
		Date Constructed:	6/4/1943
		Operational Areas depicted on Figure:	Storage Area
3	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 3 of 14	
		Date Constructed:	6/7/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area
4	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 4 of 14	
		Date Constructed:	6/9/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area
5	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 5 of 14	
		Date Constructed:	6/11/1943
		Operational Areas depicted on Figure:	NG, Dynamite, Miscellaneous/Offsite, TNT, and PETN Areas
6	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 6 of 14	
		Date Constructed:	6/14/1943
		Operational Areas depicted on Figure:	A-Line, Maintenance, B-Line, Diazo, and Finishing Areas
7	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 7 of 14	
		Date Constructed:	6/23/1943
		Operational Areas depicted on Figure:	B-Line and Storage Areas

Table 1-7

List of Maps Utilized During Historical Site/Map Review
Phase I – Site Investigation
Kenvil Works Facility, New Jersey

8	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 8 of 14	
		Date Constructed:	6/24/1943
		Operational Areas depicted on Figure:	Miscellanous/Offsite Area
9	Title of Map/Figure:	Reference Drawings General Plant Map, sheet 9 of 14	
		Date Constructed:	6/28/1943
		Operational Areas depicted on Figure:	Miscellanous/Offsite and Dynamite Areas
10	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 10 of 14	
		Date Constructed:	6/30/1943
		Operational Areas depicted on Figure:	Miscellanous/Offsite and Dynamite Areas
11	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 11 of 14	
		Date Constructed:	7/2/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area
12	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 12 of 14	
		Date Constructed:	7/3/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area
13	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 13 of 14	
		Date Constructed:	7/7/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area
14	Title of Map/Figure:	Reference Drawing General Plant Map, sheet 14 of 14 Mislabeled as sheet 4 of 14	
		Date Constructed:	7/7/1943
		Operational Areas depicted on Figure:	Miscellaneous/Offsite Area

Table 1-7

List of Maps Utilized During Historical Site/Map Review
Phase I – Site Investigation
Kenvil Works Facility, New Jersey

15	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/3/1938
		Operational Areas depicted on Figure:	A-Line Area
16	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/4/1938
		Operational Areas depicted on Figure:	Maintenance Area
17	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/3/1938
		Operational Areas depicted on Figure:	Maintenance, Storage, and Finishing Areas
18	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/10/1938
		Operational Areas depicted on Figure:	NG Area
19	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/9/1938
		Operational Areas depicted on Figure:	A-Line Area
20	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	8/18/1938
		Operational Areas depicted on Figure:	Maintenace Area

Table 1-7

List of Maps Utilized During Historical Site/Map Review
Phase I – Site Investigation
Kenvil Works Facility, New Jersey

21	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	2/15/1938
		Operational Areas depicted on Figure:	Maintenace Area
22	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/11/1938
		Operational Areas depicted on Figure:	NG Area
23	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	4/19/1938
		Operational Areas depicted on Figure:	Dynamite Area
24	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	4/12/1938
		Operational Areas depicted on Figure:	Maintenace Area
25	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	2/17/1938
		Operational Areas depicted on Figure:	Maintenace Area
26	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	6/7/1938
		Operational Areas depicted on Figure:	Dynamite Area

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List of Maps Utilized During Historical Site/Map Review
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27	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	4/13/1938
		Operational Areas depicted on Figure:	Dynamite Area
28	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	4/5/1938
		Operational Areas depicted on Figure:	Maintenance Area
29	Title of Map/Figure:	Reference Drawing Kenvil Map Congested Area	
		Date Constructed:	5/3/1938
		Operational Areas depicted on Figure:	Maintenance and AN Areas
30	Title of Map/Figure:	Map of Kenvil Works	
		Date Constructed:	4/8/1920
		Operational Areas depicted on Figure:	B-Line, Development, Finishing, Diazo, A-Line, Maintenance, NG, Dynamite, TNT, AN, Miscellaneous/Offsite, and PETN Areas
31	Title of Map/Figure:	General Plant Map	
		Date Constructed:	1/28/1971
		Operational Areas depicted on Figure:	Miscellaneous/Offsite, Storage, B-Line, Finishing, Development, A-Line, Diazo, Maintenance, AN, Dynamite, NG, TNT, and PETN Areas
32	Title of Map/Figure:	Location of Ditches	
		Date Constructed:	6/28/1943
		Operational Areas depicted on Figure:	Maintenance, AN, Miscellaneous/Offsite, Finishing, Storage, B-Line, Development, Dynamite, NG, PETN, and TNT Areas
33	Title of Map/Figure:	General Plant Map	
		Date Constructed:	4/1963
		Operational Areas depicted on Figure:	Miscellaneous/Offsite, A-Line, Development, Diazo, and Finishing Areas

Table 1-7

List of Maps Utilized During Historical Site/Map Review
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34	Title of Map/Figure:	Map of Kenvil Works	
		Date Constructed:	4/8/1920
		Operational Areas depicted on Figure:	Development, Miscellaneous/Offsite, Storage, A-Line, Diazo, Finishing, and Maintenance Areas
35	Title of Map/Figure:	Map of Kenvil Works	
		Date Constructed:	4/8/1920
		Operational Areas depicted on Figure:	Storage, Development, B-Line, and Finishing Areas
36	Title of Map/Figure:	Map of Kenvil Works	
		Date Constructed:	4/8/1920
		Operational Areas depicted on Figure:	B-Line and Miscellaneous/Offsite Areas
37	Title of Map/Figure:	General Plant Map MPF 1182	
		Date Constructed:	4/1963
		Operational Areas depicted on Figure:	Miscellaneous/Offsite, B-Line, and Storage Areas
38	Title of Map/Figure:	Topographical Survey	
		Date Constructed:	No Date Available
		Operational Areas depicted on Figure:	Finishing, Storage, Maintenance, A-Line, Diazo, B-Line, Miscellaneous/Offsite, and AN Areas
39	Title of Map/Figure:	Topographical Survey	
		Date Constructed:	11/9/1937
		Operational Areas depicted on Figure:	Site-wide
40	Title of Map/Figure:	Topographical Survey	
		Date Constructed:	2/1/1927
		Operational Areas depicted on Figure:	Site-wide
41	Title of Map/Figure:	Topographical Survey	
		Date Constructed:	1/17/1941
		Operational Areas depicted on Figure:	Site-wide

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List of Maps Utilized During Historical Site/Map Review
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42	Title of Map/Figure:	Topographical Survey	
		Date Constructed:	4/8/1920
		Operational Areas depicted on Figure:	Site-wide

Notes:
TNT = 2,4,6-Trinitrotoluene
AN = Ammonia-Nitrate
NG = Nitroglycerin
PETN = Pentaerythritol Tetranitrate

Table 2-1

TNT Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
A10-2	8	Toluene Pipeline	Pipe which runs from the toluene storage tank to mononitrator C10-503; 3 inches in diameter			Pipeline removed, no evidence of release, therefore no samples were collected																	
A10-3	5	A10-3 Second Toluene Storage Tank	Remnant of toluene storage tank and berm area vegetated; no stressed vegetation	SB-A10-3-01 through SB-A10-3-03	SB-A10-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1												1	1			
A10-516	5	Former Toluene Storage Tank	Bermed area with four foundations used to support the former toluene storage tanks; three lines from tank, one in N and two in S no stressed vegetation (area 200 sq. ft.)	SB-A10-516-01 through SB-A10-516-06	SB-A10-516-05 SB-A10-516-06	Sampling location SB-A10-516-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A10-516-06	2												1	1			
A11-1	3,7	Mononitrator #2	Mononitrator # 2 demolished; debris scattered around a basement on W side; catch tank on SE corner of bldg with two pipes 2-4 ft. S of catch tank; no stressed vegetation	SB-A11-1-01 through SB-A11-1-07	SB-A11-1-01 SB-A11-1-04	Sampling locations were determined using XRF screening Results indicated a lead concentration of 609 ppm at SB-A11-1-01 and 728 ppm at SB-A11-1-04		2	2		2	2	2						1	1	Metals	E&E, SVOCs	Metals (5-1D & 5-14C), E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
A11-2	5	Mixed Acid Storage #3	Mixed Acid Storage # 3 50-60 ft. E of A11-7 contains tank cradles and a lower level for tank storage; pipe in S foundation no stressed vegetation (area 900 sq. ft.)			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
A11-3	3,7	Absorption Tower #2	Rectangular structure with ten terra cotta coated cement pillars and catch tank on SE side; TNT adjacent to building	SB-A11-3-01 through SB-A11-3-05	SB-A11-3-03 SB-A11-3-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2						1	1			
A11-4	3,7	Acid Fortifier #2	Rectangular, overgrown foundation with catch tank on N side; NW corner has transite piping and vessels; no environmental impacts			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
A11-5	3	Bi/Trinitrator #2	Old, overgrown foundation with pipes going into the ground at each corner no stressed vegetation			Reserved for Remedial Investigation due to the presence of lead and E&E materials															Metals*, E&E*		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
A11-504	3,7	Weak Acid Storage Tanks	Weak Acid Storage Tank; several old pits along E side of former bldg. Possibly catch tanks			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
A11-570	3	Change House	Stone foundation up slope from A11-504; level, vegetated area; 4 inch pipe in ground on E corner about 3 ft. from bldg; no stressed vegetation	SB-A11-570-01 through SB-A11-570-05	SB-A11-570-05 SB-A11-570-01	Sampling location SB-A11-570-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A11-570-01		2	2										1	1		SVOCs	SVOCs (5-1B & 5-14A)
A11-7	3,9	Nitric Acid Storage #2	Concrete footers overgrown; two small areas less than 10 ft. in diameter of stressed vegetation approximately 15 ft. from footers SE stressed vegetation contained lead both have slag present			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
A11-8	5	Mixed Acid Storage Tanks #4	Three 1.5'x 12' foundations with an equipment pad to the S; Pad is 12' x 12' with supports; No stressed vegetation (area 300 sq.ft.)	SB-A11-8-01 through SB-A11-8-04	SB-A11-8-03 SB-A11-8-02	Sampling location SB-A11-8 -03 was determined using E&E screening Group B E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-A11-8 -02		2	2		2	2	2						1	1		E&E	E&E (5-1C & 5-14B)
A11-9	9	Rock Quarry	Large several hundred foot depression formerly used as a rock quarry; broken ground and discarded drums,containers, and ceramic pipe (area 19,000 sq.ft.)	SB-A11-9-01 through SB-A11-9-20	SB-A11-9-03 SB-A11-9-04	Sampling location SB-A11-9-04 was determined using professional judgement Sample location SB-A11-9-03 was determined using XRF screening Results indicated a lead concentration of 917 ppm at SB-A11-9-03		2	2										1	1	Metals		Metals (5-1D & 5-14C)
A12-1	9	TNT in Soil	Small area S of A11-6; numerous chunks of TNT measuring several inches across;discarded terra cotta pipe and overturned soils (area 300 sq. ft.)	SB-A12-1-01 through SB-A12-1-03		Reserved for Remedial Investigation due to the presence of TNT chunks on the ground															E&E*		E&E (5-1C & 5-14B)
A12-3	3	Heater House	Heater house collapsing foundation (area 600 sq. ft.)	SB-A12-3-01 through SB-A12-3-04	SB-A12-3-03	Sampling location was determined using VOC screening The 6" to 12" depth interval had a PID reading of 14 ppm and an FID reading of 19 ppm Analytical results did not detect elevated VOC concentrations	1	1	1										1	1			
A12-4	7	Catch Tank	Catch tank associated with tank cradles of A12-5; pipe entering from N from tank cradles	SB-A12-4-01 through SB-A12-4-03	SB-A12-4-01 SB-A12-4-02	Sampling location SB-A12-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A12-4-02.		2	2										1	1			

Table 2-1

TNT Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
A12-426	3	Block Breaker	Bldg. Demolished; adjacent to rail spur some brick present, but mostly a concrete foundation; rail spur overgrown	SB-A12-426-01 through SB-A12-426-05		A subsurface layer of NC was found along the SW corner of the foundation during screening activities. This AOC has been reserved for the Remedial Investigation															E&E*		E&E (5-1C & 5-14B)
A12-5	5	Former Tank Cradle	Contains four concrete tank cradles about 8 ft. wide and 32 ft. long; housed in bermed area; No evidence of release	SB-A12-5-01 through SB-A12-5-06	SB-A12-5-03 SB-A12-5-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2											1	1			
A12-6	9	Glass Debris Area	Area is covered with broken laboratory glassware (area=200 sq. ft.)	SB-A12-6-01 through SB-A12-6-03	SB-A12-6-01 SB-A12-6-02	Sampling location SB-A12-6-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A12-6-02.		2	2										1	1			
A12-7	7	Neutralizer/Pelletizer #2, associated Catch Tank	Neutralizer/Pelletizer Catch Tank with thick walls; overgrown; no obvious environmental impact; old drum 50 ft. S of this feature (area 300 sq. ft.)	SB-A12-7-01 through SB-A12-7-04	SB-A12-7-03 SB-A12-7-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2						1	1	E&E	SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
A12-8	3	Debris Area	Thermally decontaminated; brick foundation remains within berm; metal bracing along berms; no stressed vegetation	SB-A12-8-01 through SB-A12-8-05	SB-A12-8-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 454 ppm at SB-A12-8-05 Group A E&E materials were also detected at SB-A12-8-05 using an Expray Test Kit		1	1		1	1	1						1	1	Metals, E&E		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
A13-1	3,7	Filter House #3 Sump	Rectangular vegetated foundation with pit on one side; no environmental impact (area 600 sq. ft.)	SB-A13-1-01 through SB-A13-1-04	SB-A13-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1						1	1	Metals	E&E	Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
A13-625	3	Filter House #2	Thermally decontaminated building with half of former berm destroyed; metal debris remaining; no stressed vegetation			Reserved for Remedial Investigation due to the presence of E&E materials															E&E*		E&E (5-1C & 5-14B)
A13-753	3	Filter House #3	Bldg. and associated berm almost totally removed; substantial vegetation; pieces of metal machinery in center of former bldg. Small pile of metal reinforcing bars E of A13-753 (area 500 sq. ft.)	SB-A13-753-01 through SB-A13-753-04	SB-A13-753-01	Sampling location was determined using VOC screening The 6" to 12" depth interval had a PID reading of 17 ppm and an FID reading of 22 ppm Analytical results did not detect elevated VOC concentrations	1	1	1		1	1	1						1	1			
B10-2	7?,9	TNT in Soil	Piles of dirt that contain waste TNT not much vegetation in area; appears to radiate out from unknown structure possibly a catch tank to the north			Reserved for Remedial Investigation due to the presence of arsenic and E&E materials															Metals*, E&E*		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
B10-20	NA	Former Water Tank	25 ft. diameter circular foundation made of concrete; center contains rusted, metal pails and one broken terra cotta pipe; small valve S of former tank presumably for the water tank (area 500 sq. ft.)	SB-B10-20-01 through SB-B10-20-04	SB-B10-20-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,845 ppm and a zinc concentration of 1,526 ppm at SB-B10-20-01		1	1										1	1	Metals	SVOCs	Metals (5-1D & 5-14C), SVOCs (5-1B & 5-14A)
B10-3	9	Scrap Brine Coils	Two brine coils and associated debris; no visible impact (area 100 sq. ft.)	SB-B10-3-01 through SB-B10-3-03	SB-B10-3-03 SB-B10-3-01	Sampling location SB-B10-3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B10-3-01		2	2										1	1			
B10-4	9	Scrap Brine Coils	Remnant equipment; brine coils (area 100 sq. ft.)	SB-B10-4-01 through SB-B10-4-03	SB-B10-4-01 SB-B10-4-02	Sampling location SB-B10-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B10-4-02		2	2										1	1			
B10-5	7?	Possible Catch Tank for B10-508/B10-509	Three small concrete foundations covered with burnt wood; pipes from bldgs. 508 and 509 aimed toward this building; potential for stressed vegetation			Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been referred to the Remedial Investigation															E&E*		E&E (5-1C & 5-14B)
B10-501	3	Nitric Acid Storage #1	Nitric Acid Storage Tanks; bldg. was burnt Bldg very degraded probably from acid; no vegetation in interior of bldg; process pipes and foundation not intact			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
B10-502	3	Mixed Acid Storage Tanks #1	Mi1ed Acid Storage Tanks; metal debris and drums present; thermally decontaminated pipes not intact; overgrown			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)

Table 2-1

TNT Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
B10-503	3,7	Mononitrator #1	Two story brick bldg burnt to thermally decontaminate the interior; bldg still standing S side very overgrown; SW side is a loading dock; SE side is a sump; discharge pipe present	SB-B10-503-01 through SB-B10-503-06 TP-B10-503-07	SB-B10-503-01 SB-B10-503-02 SB-B10-503-06 TP-B10-503-07	Sampling locations SB-B10-503-01/02 were determined using professional judgement; Sample location SB-B10-503-06 was determined using XRF screening; Results indicated a lead concentration of 692 ppm at SB-B10-503-06. Test Pit location was placed downgradi		4	3		4	4	4						2	2	SVOCs, E&E		E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B10-505	3	Acid Fortifier	Overgrown foundation of Acid Fortifying House thermally decontaminated;pipes inside bldg.			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
B10-506	3,7	Absorption Tower #1	Absorption Tower # 1; Three columns standing; sump on S side; roofing and pipe debris on W side; thermally decontaminated, no stressed vegetation	SB-B10-506-01 through SB-B10-506-06 TP-B10-506-07	SB-B10-506-02 SB-B10-506-04 TP-B10-506-07	Sampling location SB-B10-506-02 was determined using XRF screening Results indicated a lead concentration of 460 ppm. A confirmation sample was collected at SB-B10-506-04. Test Pit location was placed downgradient from the sump. Analytical results did no		3	2		3	3	3						2	2	SVOCs, E&E		E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B10-508	3	Bi/Trinitrator #1	Binitrator bldg burnt; large amount of debris and piping in center of bldg.; E of SE corner is left over brine coils			Reserved for Remedial Investigation due to the presence of lead and E&E materials															Metals*, E&E*		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
B10-509	3	Neutralizer/Pelletizer #1	Neutralizer/Pelletizer Bldg has very high berms; piping and machinery in bldg. vegetated			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
B10-6	9	TNT in Soil	Small area 25 ft. S-SE of bldg. 508 with stressed vegetation; one piece of TNT found here; more possible			Reserved for Remedial Investigation due to the presence of arsenic and E&E materials															Metals*, E&E*		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B)
B10-656	5	Nitric Acid Storage Tanks	Nitric Acid Storage Tanks No foundations only disturbed earth	SB-B10-656-01 through SB-B10-656-03	SB-B10-656-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1					1	1	1		E&E	E&E (5-1C & 5-14B)
B11-2	9	Standpipe	Stand pipe approximately 50 ft. N of B11-523 6 inches in diameter; several 2-8 inch pipes on ground	SB-B11-2-01 through SB-B11-2-03	SB-B11-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1									1	1				
B11-513	3,7	Crude Screening House, associated sump	Thermally decontaminated bldg. Some brick foundation remains; scrap metal debris and pipes; no evidence for release	SB-B11-513-01 through SB-B11-513-05	SB-B11-513-02 SB-B11-513-05	Sampling location SB-B11-513-02 was determined using XRF screening Results indicated a lead concentration of 618 ppm at SB-B11-513-02 Group A E&E materials were detected at SB-B11-513-05 using an Expray Test Kit Analytical results did not detect elevated		1	1		1	1	1					1	1	E&E		E&E (5-1C & 5-14B)
B11-523	3	Change House	Rectangular bldg currently vegetated; no environmental impacts (area 900 sq. ft.)	SB-B11-523-01 through SB-B11-523-04	SB-B11-523-03 SB-B11-523-01	Sampling location SB-B11-523-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B11-523-01		2	2									1	1	SVOCs		SVOCs (5-1B & 5-14A)
B11-602C	NA	Reservoir	Large, deep foundation with trees growing in it; pipe extends from N to E; smaller area in W corner with two valves and pipe extending to N; pipe on E corner going into ground; no stressed vegetation	SB-B11-602C-01 through SB-B11-602C-08	SB-B11-602C-07 SB-B11-602C-08	Sampling location SB-B11-602C-08 was determined using XRF screening Results indicated a lead concentration of 445 ppm at SB-B11-602C-08 Group B E&E materials were detected at SB-B11-602C-07 using an Expray Test Kit		1	1		1	1	1					1	1	Metals, SVOCs	E&E	Metals (5-1D & 5-14C), E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B11-663	3,7	Graining House #2, associated sump	Graining House # 2 surrounded by a berm foundation inside berm overgrown, broken into three tiers; several holes where pipes once were located; no stressed vegetation	SB-B11-663-01 through SB-B11-663-06	SB-B11-663-04 SB-B11-663-06	Sampling location SB-B11-663-04 was determined using E&E screening Group A E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-B11-663-06		2	2		2	2	2					1	1	E&E	SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B12-1	3	Perchlorate Grinder	Undocumented structure very similar to Perchlorate Grinder; two large concrete foundations and a few pieces of old metal no evidence of environmental impact (area 400 sq. ft.)			Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been deferred to the Remedial Investigation															E&E*		E&E (5-1C & 5-14B)
B12-234	7	Filter House #1 Sump	Rectangular shaped sump house for Filter House # 1; pit filled with water; no stressed vegetation			Reserved for Remedial Investigation due to the presence of E&E materials															E&E*		E&E (5-1C & 5-14B)

Table 2-1

TNT Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
B12-237	3	Filter House #1	Filter House # 1 most intact of demolished filter houses; rusted metal in base of bermed are that is intact; thermally decontaminated	SB-B12-237-01 through SB-B12-237-05	SB-B12-237-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 529 ppm, a copper concentration of 603 ppm and a zinc concentration of 1,870 ppm at SB-B12-237-01		1	1		1	1	1						1	1	Metals, SVOCs, E&E		Metals (5-1D & 5-14C), E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B12-3	7	Culvert	Culvert 32 inches in diameter with 8-12 inch pipes; probably carried waste from B12-234 and B12-237; two inlet pipes to the N and a drain to the S toward B13-1; no evidence of contamination	SB-B12-3-01 through SB-B12-3-02	SB-B12-3-01 SB-B12-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2			2	2	2						1	1		E&E, SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B12-450	3	Perchlorate Grinder	Perchlorate Grinder SW of B12-237 adjacent to rail spur; two large concrete foundations adjacent to rail spur slight depression in center filled with water no environmental impact	SB-B12-450-01 through SB-B12-450-05	SB-B12-450-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling															E&E	SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B13-1	9	Settling Pond	Depressed area with a ditch entering from NW ditch originated at A13-625 Filter House # 2; 8-12 inch terra cotta pipe enters from the W possibly from A13-7543 Filter House # 3 area of brown stressed vegetation			Reserved for Remedial Investigation due to the presence of beryllium, lead and thallium															Metals*		Metals (5-1D & 5-14C)
B13-682	3,7	Weak Liquor House	Foundation overgrown with vegetation; tank cradle set and two floor drains; one drain exits foundation in NE of foundation; other drain exists to catch tank in SE corner; no apparent environmental impact	SB-B13-682-01 through SB-B13-682-06	SB-B13-682-03 SB-B13-682-04 SB-B13-682-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		3	3		3	3	3						1	1	E&E	SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B13-724	3	Ether Still House	Building dismantled except for three parallel foundations 45 ft. long and 5 ft. high: area vegetated; no apparent environmental impacts; debris 30 ft. north of foundation	SB-B13-724-01 through SB-B13-724-05	SB-B13-724-05 SB-B13-724-01	Sampling location SB-B13-724-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B13-724-01	2	2	2		2	2	2						1	1	SVOCs, E&E		E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B13-757	3	Mother Liquor House	Foundation with grass growing on it; concrete debris with rebar along south side of foundation; parking barriers north of foundation	SB-B13-757-01 through SB-B13-757-05	SB-B13-757-04	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 106 ppm at SB-B13-757-04 Analytical results did not detect elevated arsenic concentrations	1	1			1	1	1						1	1	E&E	SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
B13-8	7	Filter House #2 Sump	Rectangular foundation with a water filled pit pipe near SE corner goes underground no environmental impact evident	SB-B13-8-01 through SB-B13-8-05 TP-B13-8-06	SB-B13-8-04 SB-B13-8-05 TP-B13-8-06	Sampling location SB-B13-8-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B13-8-05. Test Pit location was placed downgradient from the sump.	3	2			3	3	3						2	2		E&E	E&E (5-1C & 5-14B)
B9-2	3	Water Supply Building	Two parallel foundations and several mounds with bolts protruding	SB-B9-2-01 through SB-B9-2-05	SB-B9-2-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,913 ppm at SB-B09-2-05	1	1											1	1	Metals, SVOCs		Metals (5-1D & 5-14C), SVOCs (5-1B & 5-14A)
C10-432	3	Unknown	Three 10x1.5 foot cement foundations; 12 inch diameter terra cotta pipe entering ground W of central footer; old process pipe associated with this bldg.	SB-C10-432-01 through SB-C10-432-03	SB-C10-432-02 SB-C10-432-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-C10-432-01	2	2			2	2	2						1	1		E&E, SVOCs	E&E (5-1C & 5-14B), SVOCs (5-1B & 5-14A)
C10-438	3	Mixed Acid Storage #2	Three 10x1.5 foot cement foundations; 12 inch diameter terra cotta pipe entering ground W of central footer; old process pipe associated with this bldg.	SB-C10-438-01 through SB-C10-438-06	SB-C10-438-05 SB-C10-438-01	Sampling location SB-C10-438-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-438-01	2	2									1		1	1	1			
C10-439	3,7	Weak Acid Storage Tanks	Old foundation; recently cleared here slight stressed vegetation on W side of ground; internal catch basin associated with tank cradles; several small pipes			Reserved for Remedial Investigation due to the presence of lead															Metals*		Metals (5-1D & 5-14C)
C10-440	3	Waste Acid Storage Tanks #2	Same as C10-439 in layout; pipes entering ground within foundation east of bldg.; between this and C10-439 visible pipes cannot locate or follow due to vegetation	SB-C10-440-01 through SB-C10-440-06	SB-C10-440-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,153 ppm at SB-C10-440-02	1	1			1	1	1				1		1	1	Metals		Metals (5-1D & 5-14C)
C10-466	3	Unknown	No foundation; building located based on Roux map and shallow rooted vegetation	SB-C10-466-01 through SB-C10-466-03	SB-C10-466-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,966 ppm at SB-C10-466-02	1	1			1	1	1						1	1	Metals		Metals (5-1D & 5-14C)
C8-1	9	Discarded Cans	Approximately 2 dozen 1-2 gallon steel cans on ground; some contained gray material (area 100 sq.ft.)	SB-C8-1-01 through SB-C8-1-03	SB-C8-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1						1	1	Metals		Metals (5-1D & 5-14C)

Notes:

All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

NA = Not Analyzed
AOC = Area of Concern
FID = Flame-Ionization Detector
TBD = To Be Determined
PP VOC = Priority Pollutant List Volatile Organic Compounds
PP SVOC = Priority Pollutant List Semivolatile Organic Compounds
PPM = Parts Per Million
PP Metals = Proirity Pollutant List Metals
PP PEST/PCB = Priority Pollutant List Pesticides/PCB
E&E = Explosives and Energetics
TOC = Total Organic Carbon
TPH = Total Petroleum Hydrocarbons
NRDCSCC = Non Residential Direct Contact Soil Cleanup Criteria
XRF = X-ray Fluorescence
PID = Photoionization Detector

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
No. = Number

***** = AOC reserved for RI due to presence of contamination
****** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

TOC and GRAIN SIZE collected at each AOC

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-2

Dynamite Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
B12-422	3	Dynamite Mix Houses #5 & #6	Two pipes enter ground in N central area Building is demolished and largely overgrown, footers remain No evidence of a release	SB-B12-422-01 through SB-B12-422-07	SB-B12-422-06 SB-B12-422-04	Sampling location SB-B12-422-06 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B12-422-04		2	2		2	2								1	1			
B13-262A	3	Gel Mix House #2	Old corrugated siding covering floor area Debris west of berm Slight stressed vegetation southwest of building	SB-B13-262A-01 through SB-B13-262A-05	SB-B13-262A-01 SB-B13-262A-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2		2	2							2	1	1		E&E, SVOCs	E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
B13-7	3	Motor House for Gel Mix House #2	Very old dismantled foundation. Two steel pipes enter ground. 10'x10' area of stressed vegetation in center of building	SB-B13-7-01 through SB-B13-7-07	SB-B13-7-01 SB-B13-7-06	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2										2	1	1			
B14-128	3	Quinan Pack House	Very old stone foundation; No evidence of a release	SB-B14-128-01 through SB-B14-128-05	SB-B14-128-01 SB-B14-128-02	Sampling location SB-B14-128-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B14-128-02		2	2		2	2								1	1			
B14-3	4	Shell Store	Very little evidence of former building exists. No evidence of a release	SB-B14-3-01 through SB-B14-3-05	SB-B14-3-05 SB-B14-3-02	Sampling location SB-B14-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B14-3-02		2	2											1	1			
C12-1	9	Earthen Pits	Two pits dug out of the ground, use unknown; Partially filled with water, no evidence of a release	SB-C12-1-01 through SB-C12-1-06	SB-C12-1-03 SB-C12-1-04	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2										2	1	1			
C12-274	3	Talley Gel Mix House #1	Bermed enclosed structure, only broken foundations remain; Two areas of green oxidized lead, 3" pipe enters ground in NE corner; Stressed vegetation in center	SB-C12-274-01 through SB-C12-274-06	SB-C12-274-01 SB-C12-274-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 1,432 ppm at SB-C12-274-01 and 396 ppm at SB-C12-274-05		2	2		2	2							2	1	1	Metals	E&E, SVOCs	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
C12-275	3	Unknown	Foundation with rubble (area=400 sq ft)	SB-C12-275-01 through SB-C12-275-04	SB-C12-275-02 SB-C12-275-01	Sampling location SB-C12-275-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C12-275-01		2	2		2	2								1	1		E&E, SVOCs	E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
C12-3	9	Stressed Vegetation A	Stressed vegetation center (area=200 sq ft)	SB-C12-3-01 through SB-C12-3-03	SB-C12-3-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 21,330 ppm at SB-C12-3-03		1	1										1	1	1	Metals		Metals (5-2E & 5-15D)
C12-4	9	Stressed Vegetation B	Center of stressed vegetation B (area=700 sq ft)	SB-C12-4-01 through SB-C12-4-03	SB-C12-4-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,570 ppm at SB-C12-4-01		1	1										1	1	1	Metals		Metals (5-2E & 5-15D)
C12-418	9	Unknown	Center of stressed vegetation B (area=700 sq ft)	SB-C12-418-01 through SB-C12-418-04	SB-C12-418-04 SB-C12-418-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C12-418-01		2	2		2	2								1	1		E&E, SVOCs	E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
C12-5	9	Stressed Vegetation C	Center of stressed vegetation C (area=200 sq ft)	SB-C12-5-01 through SB-C12-5-03	SB-C12-5-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1										1	1	1	Metals		Metals (5-2E & 5-15D)
C12-8229	1,6	Change House	Brick building still standing; There is an associated septic tank W of the N corner	SB-C12-8229-01 through SB-C12-8229-04 TP-C12-8229-05	SB-C12-8229-03 SB-C12-8229-01 TP-C12-8229-05	Sampling location SB-C12-8229-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C12-8229-01. Test Pit location was placed downgradient from septic.	1	3	2											2	2			
C13-1	9	Thirty Acres Area	Contains various scrap metal; No evidence of a release (area=136,000 sq ft)	SB-C13-1-01 through SB-C13-1-20	SB-C13-1-01 SB-C13-1-08 SB-C13-1-11 SB-C13-1-17	Three sample locations, SB-C12-8229-01/08/11, were determined using professional judgement; Group A E&E materials were detected at SB-C12-8229-17 using an Expray Test Kit		3	4		1	1	1							1	1	E&E		E&E (5-2C & 5-15C)
C13-133	3	Triton Store	Only one chunk of concrete and a piece of metal remain; No evidence of a release	SB-C13-133-01 through SB-C13-133-05	SB-C13-133-05 SB-C13-133-03	Sampling location SB-C13-133-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C13-133-03		2	2											1	1			

Table 2-2

Dynamite Area Sampling Plan
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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
C13-2	6	Spray Field A	Large grass covered area; PVC piping underground - unknown location; No evidence of a release (area=74,000 sq ft)	SB-C13-2-01 through SB-C13-2-20	SB-C13-2-01 through SB-C13-2-20	Three sample locations (SB-C13-2-01/03/09) were determined using professional judgement; Group B E&E materials were detected at SB-C13-2-10 and SB-C13-2-14 using an Expray Test Kit. Confirmation samples were collected at the remaining sample locations (SB-C13-2-02/04/05/06/07/08/11/12/13/15/16/17/18/19/20). Analytical results did not detect elevated E&E concentrations.		20	20		2	2	2							1	1			
C13-262B	3	Gel Mix House #1	Thermally decontaminated building; Two old drum hulks within area of former building; Slight stressed vegetation south of berm; Brick debris on northeast corner	SB-C13-262B-01 through SB-C13-262B-05	SB-C13-262B-01 through SB-C13-262B-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2		2	2							1	1	1	Metals		Metals (5-2E & 5-15D)
C13-263C	3	Blower House for Gel Mix House #1	Structure dismantled; Three old blower units remain; No evidence of a release (area=100 sq ft)	SB-C13-263C-01 through SB-C13-263C-03	SB-C13-263C-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 682 ppm at SB-C13-263C-01. Analytical results did not detect elevated lead concentrations		1	1											1	1			
C13-282B	3	Dynamite Mix House #2	Old bermed area almost completely dismantled; Center filled with water	SB-C13-282B-01 through SB-C13-282B-05	SB-C13-282B-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,635 ppm at SB-C13-282B-03		1	1		1	1								1	1	SVOCs, Metals	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
C13-3	3	Unknown	Small bermed area, all that remains is minor amounts of metal debris (area=100 sq ft)	SB-C13-3-01 through SB-C13-3-03	SB-C13-3-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1			
C13-666	3	Refined Graining House	Completely dismantled; TNT chunks scattered around ground			Reserved for Remedial Investigation due to the presence of TNT on the ground																E&E*		E&E (5-2C & 5-15C)
C13-742	3	Gel Pack House	Building demolished; Concrete footers remain; Swale on east side of former building; No evidence of a release	SB-C13-742-01 through SB-C13-742-05	SB-C13-742-01 SB-C13-742-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2		2	2								1	1			
C14-1	9	Debris Area	5 Brine coils; 24 metal screens; No evidence of a release (area=3,000 sq ft)	SB-C14-1-01 through SB-C14-1-10	SB-C14-1-05 SB-C14-1-03	Sampling location SB-C14-1-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-1-03		2	2											1	1		SVOCs	SVOCs (5-2B & 5-15B)
C14-121	3	Superfluous Machinery Store	Very old 30'x 20' stone foundation; No evidence of a release (area=400 sq ft)	SB-C14-121-01 through SB-C14-121-04	SB-C14-121-03 SB-C14-121-04	Sampling location SB-C14-121-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-121-04		2	2											1	1			
C14-125	3	Pattern Store	Foundation destroyed; Only two piles of brick remain; No evidence of a release (area=400 sq ft)	SB-C14-125-01 through SB-C14-125-04	SB-C14-125-01 SB-C14-125-04	Sampling location SB-C14-125-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-125-04		2	2											1	1			
C14-2	9	Debris Area	24 metal screens; No evidence of a release (area=100 sq ft)	SB-C14-2-01 through SB-C14-2-03	SB-C14-2-03	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1											1	1			
C14-4	3	Store House	Very old stone foundation; No evidence of a release (area=400 sq ft)	SB-C14-4-01 through SB-C14-4-04	SB-C14-4-01 SB-C14-4-03	Sampling location SB-C14-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-4-03		2	2											1	1	SVOCs		SVOCs (5-2B & 5-15B)
D11-208A	3	Refuse Shed	All that remains are charred wooden posts; No evidence of a release (area=100 sq ft)	SB-D11-208A-01 through SB-D11-208A-03	SB-D11-208A-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-2E & 5-15D)
D11-218C	3	RRP Storage	Building demolished; Only footers and an earthen mound remain; Two 2" pipes enter ground, unknown termination; No evidence of a release	SB-D11-218C-01 through SB-D11-218C-07	SB-D11-218C-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 413 ppm at SB-D11-218C-03		1	1											1	1	Metals	SVOCs	Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
D11-7	3	Unknown	Building demolished; Six very old cement footers remain; Some metal debris and two old drum hulks present; No evidence of a release (area=200 sq ft)	SB-D11-7-01 through SB-D11-7-03	SB-D11-7-01 SB-D11-7-02	Sampling location SB-D11-7-01 was determined using XRF screening. Results indicated a lead concentration of 2,498 ppm. A confirmation sample was collected at SB-D11-7-02 Analytical results did not detect elevated lead concentrations		2	2		2	2								1	1			
D11-B232	3	DNT Screening House	The former structure has been demolished; Five brick footers remain; Three 2-inch pipes extend into ground, termination unknown; The area is marshy and heavily vegetated; No evidence of a release	SB-D11-B232-01 through SB-D11-B232-07	SB-D11-B232-07 SB-D11-B232-06	Sampling location SB-D11-B232-07 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D11-B232-06		2	2		2	2								1	1	Metals, E&E, SVOCs		Metals (5-2E & 5-15D), E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)

Table 2-2

Dynamite Area Sampling Plan
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Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
D12-1	3	Blower House for D11-282A	This building was destroyed; It measured approximately 15' x 15'; Remains of old equipment are rusted hulks; No evidence of a release (area=200 sq ft)	SB-D12-1-01 through SB-D12-1-03	SB-D12-1-02 SB-D12-1-01	Sampling location SB-D12-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-1-01		2	2											1	1			
D12-2073	3	Unknown	Small 15' x 10' demolished building; Wood and metal debris present; No evidence of a release (area=200 sq ft)	SB-D12-2073-01 through SB-D12-2073-03	SB-D12-2073-03 SB-D12-2073-01	Sampling location SB-D12-2073-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-2073-01		2	2		2	2								1	1			
D12-208D	3	Unknown	Demolished structure approximately 10' x 20'; All remnants of building removed; Area filled with water No evidence of a release (area=200 sq ft)	SB-D12-208D-01 through SB-D12-208D-03	SB-D12-208D-03 SB-D12-208D-01	Sampling location SB-D12-208D-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-208D-01		2	2		2	2								1	1			
D12-209B	3	Blower House	Old foundation with rusting metal equipment; No evidence of a release (area=200 sq ft)	SB-D12-209B-01 through SB-D12-209B-03	SB-D12-209B-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-2E & 5-15D)
D12-282A	3	Dynamite Mix House #2	This building was previously thermally decontaminated; Some remnant footers, metal debris, and charred wood remain; The center of former building is marshy; No evidence of a release	SB-D12-282A-01 through SB-D12-282A-05	SB-D12-282A-05	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1	E&E		E&E (5-2C & 5-15C)
D12-286A	3	Hall Pack House #1	Very old demolished building; Berm has been mostly removed. Concrete foundation chunks are on ground surface; No evidence of a release	SB-D12-286A-01 through SB-D12-286A-05	SB-D12-286A-04	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1	Metals		Metals (5-2E & 5-15D)
D12-289	3	Gel Pack House	Former structure previously thermally decontaminated; Multiple concrete footers and some charred remains present; Some old pipes and machinery along southern berm; There is an old pump in the center of the former structure; No evidence of a release	SB-D12-289-01 through SB-D12-289-05	SB-D12-289-03	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1	Metals, SVOCs	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
D12-3	3, Sampled as single unit	Unknown	Combination of D12-208 and D12-130E; These were small structures dismantled and combined together The area contains metal and concrete debris; Two 2" diameter pipes enter ground on east side; No evidence of a release	SB-D12-3-01 through SB-D12-3-05	SB-D12-3-04 SB-D12-3-02	Sampling location SB-D12-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-3-02	2	2			2	2								1	1			
D13-2	10	Electric Pole Transformer	Transformer removed; No evidence of a release	SB-D13-2-01	SB-D13-2-01	Sample taken directly below former transformer				1										1	1			
D13-264A	3	Gel Cart House #1	Steep bermed area with brick foundation; No evidence of a release	SB-D13-264A-01 through SB-D13-264A-05	SB-D13-264A-05 SB-D13-264A-03	Sampling location SB-D13-264A-05 was determined using XRF screening; Results indicated an antimony concentration of 109 ppm, a copper concentration of 808 ppm, and a lead concentration of 886 ppm . A confirmation sample was collected at SB-D13-264A-03	2	2		2	2	2								1	1	Metals		Metals (5-2E & 5-15D)
D13-264B	3	Gel Cart House #2	Thermally decontaminated building; Old drive shaft present; Two small structures outside berm; associated with this building; Two 10' diameter areas of stressed vegetation NE of berm	SB-D13-264B-01 through SB-D13-264B-05	SB-D13-264B-03 SB-D13-264B-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	2	2		2	2	2						2		1	1		E&E, SVOCs	E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
D13-265A	3	Unknown	Thermally decontaminated structure; Associated with D13-264A; Small 1" pipe enters ground at SE corner; Old drum hulk at southwest corner; No evidence of a release	SB-D13-265A-01 through SB-D13-265A-06	SB-D13-265A-06	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1		1	1	1								1	1	Metals		Metals (5-2E & 5-15D)
D13-268	3	Shrader Cart House	Old stone foundation, marshy center; Pipe coming out of center and entering ground in West; No evidence of a release	SB-D13-268-01 through SB-D13-268-06	SB-D13-268-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 774 ppm at SB-D13-268-01	1	1		1	1	1								1	1	Metals		Metals (5-2E & 5-15D)
D13-273B	3	Hand Pack House	Building demolished; Two pipes that form a square are all that remain; No evidence of a release	SB-D13-273B-01 through SB-D13-273B-07	SB-D13-273B-02 SB-D13-273B-04	Sampling location SB-D13-273B-02 was determined using XRF screening; Results indicated a copper concentration of 2,450 ppm. A confirmation sample was collected at SB-D13-273B-04. Analytical results did not detect elevated copper concentrations	2	2		2	2	2								1	1	SVOCs		SVOCs (5-2B & 5-15B)
D13-3	3	Unknown	Burnt structure with electric motor in center (area=200 sq ft)	SB-D13-3-01 through SB-D13-3-04	SB-D13-3-04 SB-D13-3-02	Sampling location SB-D13-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D13-3-02	2	2		2	2	2								1	1	Metals	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C)
D13-303F	3	Blower House	Several old foundations; Lead solder on pipe; No evidence of a release (area=100 sq ft)	SB-D13-303F-01 through SB-D13-303F-03	SB-D13-303F-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-2E & 5-15D)

Table 2-2

Dynamite Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
D14-120	3	Waste Paper Store	Old stone foundation; Old metal screens and bricks 10' SE of foundation; No evidence of a release	SB-D14-120-01 through SB-D14-120-05	SB-D14-120-04 SB-D14-120-03	Sampling location SB-D14-120-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-120-02		2	2											1	1		SVOCs	SVOCs (5-2B & 5-15B)
D14-129	3	Powder Office	Old stone foundation; No evidence of a release	SB-D14-129-01 through SB-D14-129-05	SB-D14-129-05 SB-D14-129-03	Sampling location SB-D14-129-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-129-03		2	2											1	1		SVOCs	SVOCs (5-2B & 5-15B)
D14-204B	3	NC Dry House	Thermally decontaminated wooden structure; Stressed vegetation within area of former structure; Large amount of lead on ground (area=900 sq ft)	SB-D14-204B-01 through SB-D14-204B-04	SB-D14-204B-01 SB-D14-204B-04	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 521 ppm at SB-D14-204B-01 and 209 ppm at SB-D14-204B-04		2	2		2	2						2	1	1	Metals	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C)
D14-360	NA	Filter Station	Multiple underground steel water pipes; Water supply lagoon; No evidence of a release	SB-D14-360-01 through SB-D14-360-04	SB-D14-360-03 SB-D14-360-01	Sampling location SB-D14-360-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-360-01		2	2											1	1		SVOCs	SVOCs (5-2B & 5-15B)
D14-6	9	Stressed Vegetation	Center of stressed vegetation (area=400 sq ft)	SB-D14-6-01 through SB-D14-6-03	SB-D14-6-01 SB-D14-6-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		2	2									2	1	1		SVOCs	SVOCs (5-2B & 5-15B)
D14-667	3	Refined Graining House	Large elevated concrete foundation; Second smaller foundation 30' E; The area is grass covered; No evidence of a release	SB-D14-667-01 through SB-D14-667-05	SB-D14-667-03	Sampling location was determined using XRF and E&E screening. Results indicated a lead concentration of 614 ppm at SB-D14-667-03; Group A E&E materials were also detected at SB-D14-667-03 using an Expray Test Kit		1	1		1	1							1	1	Metals, E&E	SVOCs	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
E10-1	9	Former Pond	Very little evidence of former pond, extent of pond is estimatec (area=36,000 sq ft)	SB-E10-1-01 through SB-E10-1-20	SB-E10-1-05 SB-E10-1-13 SB-E10-1-18	Sampling locations were determined using XRF and E&E screening. Group B E&E materials were detected at SB-E10-1-05 and SB-E10-1-18 using an Expray Test Kit; Results indicated a lead concentration of 435 ppm at SB-E10-1-13. Analytical results did not detect elevated lead or E&E concentrations		2	2		2	2							1	1		E&E, SVOCs	E&E (5-2C & 5-15C), SVOCs (5-2B & 5-15B)
E10-2	3	Unknown	Former structure destroyed; Eight cement footers remain; Former structure approximately 15' x 30'; No evidence of a release (area=600 sq ft)	SB-E10-2-01 through SB-E10-2-04	SB-E10-2-03 SB-E10-2-04	Sampling location SB-E10-2-03 was determined using E&E screening. Group B E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-E10-2-04. Analytical results did not detect elevated E&E concentrations		2	2		2	2							1	1			
E10-3	3	Unknown	Small stone cylindrical footer approximately 7' in diameter; No evidence of a release (area=100 sq ft)	SB-E10-3-01 through SB-E10-3-03	SB-E10-3-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E10-3-02 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations		1	1		1	1							1	1			
E11-1	1	Auxiliary Heater House	Small wooden structure 5' x 3'; Used to support E1-2064; No evidence of a release	SB-E11-1-01 through SB-E11-1-04	SB-E11-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1			
E11-11	3	Unknown	Remnants of an old foundation with brick footers; No evidence of a release (area=100 sq ft)	SB-E11-11-01 through SB-E11-11-03	SB-E11-11-02	Sampling location SB-E11-11-02 was determined using professional judgement; Screening results did not warrant biased sampling.		1	1										1	1			
E11-12	3	Unknown	Very overgrown old foundation (area=600 sq ft)	SB-E11-12-01 through SB-E11-12-04	SB-E11-12-04 SB-E11-12-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-12-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations		1	1		1	1	1						1	1	Metals		Metals (5-2E & 5-15D)
E11-2	3	Unknown	Small 12' x 12' rectangular cement and brick foundation; No evidence of a release (area=400 sq ft)	SB-E11-2-01 through SB-E11-2-04	SB-E11-2-03 SB-E11-2-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-2-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations		2	2		2	2	2						1	1			
E11-2064	1, Sampled as single unit	Talley Mix House	Two wooden structures completely encased within 40' thick berm; The second wooden structure houses the motor house; Loading areas on SE and NE sides of building within berm; Truck loading area on the SW corner outside of berm; Catch tank on NE corner of main	SB-E11-2064-01 through SB-E11-2064-08	SB-E11-2064-01 SB-E11-2064-02 SB-E11-2064-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		3	3		3	3							1	1	Metals	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C)
E11-207B	3	Repair Shop	Old overgrown foundation; No evidence of release (area=900 sq ft)	SB-E11-207B-01 through SB-E11-207B-04	SB-E11-207B-04	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling	1												1	1			

Table 2-2

Dynamite Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
E11-2083	1	Air Conditioning House	Old 12'x10' wooden structure; Contains old air conditioner/heater; Slight stressed vegetation under awnings (area=200 sq ft)	SB-E11-2083-01 through SB-E11-2083-04	SB-E11-2083-03 SB-E11-2083-04	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2										2	1	1			
E11-218B	3	Unknown	Building demolished; Three concrete footers remain; No evidence of a release	SB-E11-218B-01 through SB-E11-218B-05	SB-E11-218B-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 424 ppm at SB-E11-218B-02		1	1		1	1								1	1	Metals		Metals (5-2E & 5-15D)
E11-4	3	Dynamite Box Pack House	Building and associated structures almost totally removed; Area very vegetated	SB-E11-4-01 through SB-E11-4-03	SB-E11-4-02 SB-E11-4-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E11-4-01		2	2		2	2								1	1			
E11-5	9	Stressed Vegetation	Center of stressed vegetation (area=20 sq ft)	SB-E11-5-01 through SB-E11-5-03	SB-E11-5-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1										1	1	1			
E11-52	4	General Storage	The structure is completely removed; Marked estimated location; No evidence of a release	SB-E11-52-01 through SB-E11-52-05	SB-E11-52-04	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-52-04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations		1	1		1	1								1	1	SVOCs, Metals		Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
E11-6	5	Tank Saddles	Series of three double tank saddle foundations	SB-E11-6-01 through SB-E11-6-04	SB-E11-6-02 SB-E11-6-04	Sampling locations were determined using E&E screening Group B E&E materials were detected at SB-E11-6-02/04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations	2	2			2	2								1	1	VOCs		VOCs (5-2A & 5-15A)
E11-7	3	Unknown	Two footers with a 5' x 5' area of molten lead (area=100 sq ft)	SB-E11-7-01 through SB-E11-7-03	SB-E11-7-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 18,520 ppm, a copper concentration of 4,970 ppm, and a zinc concentration of 5,240 ppm at SB-E11-7-02		1	1		1	1								1	1	Metals		Metals (5-2E & 5-15D)
E11-8	10	Electric Transformer	Base of telephone pole	SB-E11-8-01	SB-E11-8-01	Sample taken at base of telephone pole				1										1	1	PCBs**		
E11-8228	3,6	Change House	Brick structure 30' x 30'; Septic tank located 20' W of building (1 sludge sample taken during Single Phase Remediation); Several small steam blow-out lines present on east side of bldg; No evidence of a release	SB-E11-8228-01 through SB-E11-8228-05 TP-E11-8228-06	SB-E11-8228-02 SB-E11-8228-05 TP-E11-8228-06	Sampling location SB-E11-8228-02 was determined using XRF screening; Results indicated a lead concentration of 478 ppm. A confirmation sample was collected at SB-E11-8228-05. Test Pit location was placed downgradient from the septic. Analytical results did not detect elevated Metal concentrations.	1	3	2										2	2			
E11-R2	1	Talley Mix House Scrap Shed	Small 6' x 6' wooden structure; Knocked over on side; No evidence of a release (area=100 sq ft)	SB-E11-R2-01 through SB-E11-R2-03	SB-E11-R2-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 332 ppm at SB-E11-R2-03		1	1		1	1								1	1	Metals, SVOCs		Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
E12-130E	1	Air Conditioning House	Old wooden structure 12' x 15'; Contains HVAC Equipment; Several vent pipes from HVAC equipment extend through bldg wall; No evidence of a release (area=300 sq ft)	SB-E12-130E-01 through SB-E12-130E-04	SB-E12-130E-02 SB-E12-130E-03	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2											1	1			
E12-2081	1	Air Conditioning House	Old possible fiberglass sided structure 24' x 24'; Houses HVAC equipment; Two floor drains, A pipe, possibly steam blow-out line, exits building on north side; No evidence of a release	SB-E12-2081-01 through SB-E12-2081-05	SB-E12-2081-04 SB-E12-2081-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2											1	1			
E12-286B	3	Hall Pack House #2	This structure was thermally decontaminated; The building looks to have been constructed of wood; The former structure was large approximately 125' x 125'; Small amount of debris present, the area is well vegetated; No evidence of a release	SB-E12-286B-01 through SB-E12-286B-05	SB-E12-286B-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 197 ppm at SB-E12-286B-02		1	1		1	1							1	1	1	Metals		Metals (5-2E & 5-15D)
E12-286D	3	Dynamite Cart House	Very large concrete foundation; Some metal debris within foundation walls; Three large entrances through concrete foundations; Potential stressed vegetation within 1' of concrete foundation	SB-E12-286D-01 through SB-E12-286D-08	SB-E12-286D-05 SB-E12-286D-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	1						2	1	1	Metals, SVOCs		Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
E12-298B	3	Machine Parts House	Partially demolished brick structure measuring 15' x 8'; No evidence for a release (area=200 sq ft)	SB-E12-298B-01 through SB-E12-298B-03	SB-E12-298B-03 SB-E12-298B-02	Sampling location SB-E12-298B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E12-298B-02		2	2											1	1			
E12-325B	4	Unknown	8' x 8' area, location based on historical maps	SB-E12-325B-01 through SB-E12-325B-03	SB-E12-325B-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1	SVOCs, Metals		Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)

Table 2-2

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
E12-6	3	Temp Carpenter Shop	Only old scrap remains of this 10' x 10' area; Pipe enters ground, unknown if intact	SB-E12-6-01 through SB-E12-6-04	SB-E12-6-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1											1	1			
E12-9317	3	Powder Line Office	Very old 20' x 20' demolished stone foundation; Some debris scattered around former structure; No evidence of a release (area=300 sq ft)	SB-E12-9317-01 through SB-E12-9317-04	SB-E12-9317-04 SB-E12-9317-01	Sampling location SB-E12-9317-04 was determined using XRF screening; Results indicated a lead concentration of 406 ppm. A confirmation sample was collected at SB-E12-9317-01. Analytical results did not detect elevated metal concentrations.		2	2											1	1			
E13-1	10	Electric Pole Transformer	No evidence of a release	SB-E13-1-01	SB-E13-1-01	Sample taken at base of pole				1										1	1			
E13-2040	1	Waxing Shed	Very old wooden structure; Rail loading area on south side; Possible stand pipe near NE corner Small shed with old machinery adjacent on north side; No evidence of a release	SB-E13-2040-01 through SB-E13-2040-07	SB-E13-2040-04 SB-E13-2040-07	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2		2	2								1	1			
E13-2074	1	Titan Cast Building	New looking building possibly renovated; Three potential loading doors; Loading dock with one loading area; No evidence of exterior catch tank; 3" PVC discharge pipe from building to ditch on north side of building	SB-E13-2074-01 through SB-E13-2074-09	SB-E13-2074-01 SB-E13-2074-06 SB-E13-2074-09	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	3		3	3								1	1	Metals	E&E	Metals (5-2E & 5-15D), E&E (5-2C & 5-15C)
E13-2074A	1	Catch Tank House	Old brick structure; Currently contains a blower piped to E13-2074; No evidence of former catch tank, may have sat on concrete	SB-E13-2074A-01 through SB-E13-2074A-05	SB-E13-2074A-01 SB-E13-2074A-05	Sampling location SB-E13-2074A-01 was determined using E&E screening; Group B E&E materials were detected at using an Expray Test Kit. A confirmation sample was collected at SB-E13-2074A-05		2			2	2								1	1			
E13-2076	1	Dynamite Blender	Small 15' x 15' cinder block structure; Loading door on NE side; No evidence of a release	SB-E13-2076-01 through SB-E13-2076-05	SB-E13-2076-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 185 ppm at SB-E13-2076-02		1	1		1	1								1	1	Metals		Metals (5-2E & 5-15D)
E13-2078	1	Heater House	Small 15' x 10' cinder block structure; Old heater and steam line inside building; No evidence of a release	SB-E13-2078-01 through SB-E13-2078-04	SB-E13-2078-03 SB-E13-2078-04	Sampling location SB-E13-2078-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E13-2078-04		2	2											1	1			
E13-3	1	Trash Shed	Small 10' x 6' wooden structure; Potential stressed vegetation west and south of structure	SB-E13-3-01 through SB-E13-3-05	SB-E13-3-03 SB-E13-3-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling. A confirmation sample was collected at E13-3-05.	2	2											2	1	1			
E13-325	1	Dynamite Storage	Very old wooden structure; No evidence of a release	SB-E13-325-01 through SB-E13-325-04	SB-E13-325-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E13-325-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	1	1	1	1										1	1	Metals	SVOCs	Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
E13-5	3, Sampled as single unit	Debris from Bldg's 8209/2039	General debris covers approximately 15' diameter area; No evidence of a release	SB-E13-5-01 through SB-E13-5-03	SB-E13-5-02 SB-E13-5-03	Sampling location SB-E13-5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E13-5-03	2	2	2	2										1	1			
E14-2020	3	Refuse Shed	Former structure destroyed; Small 10' x 10' pile of wood debris; No evidence of a release (area=100 sq ft)	SB-E14-2020-01 through SB-E14-2020-03	SB-E14-2020-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 816 ppm at SB-E14-2020-03	1	1												1	1	Metals		Metals (5-2E & 5-15D)
E14-668	3	Box Pack House	Remains of a concrete foundation; Debris covers concrete foundation; Slight stressed vegetation along eastern side of foundation	SB-E14-668-01 through SB-E14-668-05	SB-E14-668-03 SB-E14-668-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	2	2	2	2									2	1	1			
F11-54	4	Paint and Oil Store	Overgrown area, location determined from historical maps	SB-F11-54-01 through SB-F11-54-03	SB-F11-54-02	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-2E & 5-15D)
F11-79C	3	Unknown	All that remains is a 1' x 2' footer, all else has been removed; No evidence of a release (area=100 sq ft)	SB-F11-79C-01 through SB-F11-79C-03	SB-F11-79C-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling	1	1	1	1										1	1			
F12-191	4	Laundry and Change House	No evidence of former structures; No evidence of a release	SB-F12-191-01 through SB-F12-191-03	SB-F12-191-02 SB-F12-191-01	Sampling location SB-F12-191-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-191-01	2	2												1	1			
F12-2026A	1	Scrap Shed	Small 10' x 10' wooden structure; Loading door on west side; No evidence of a release	SB-F12-2026A-01 through SB-F12-2026A-05	SB-F12-2026A-05	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-2E & 5-15D)

Table 2-2

Dynamite Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F12-2039	4	Unknown	Completely removed no evidence of location; Estimated location; May have been removed for a drainage ditch; No evidence of a release	SB-F12-2039-01 through SB-F12-2039-03	SB-F12-2039-02 SB-F12-2039-01	Sampling location SB-F12-2039-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-2039-01		2	2		2	2								1	1	Metals		Metals (5-2E & 5-15D)
F12-2075	1	Former Dynamite Grinder	Appears to be a refurbished building; Three loading doors on north side; One loading door on south side; Loading dock with two loading spots on south side; No evidence of environmental impact	SB-F12-2075-01 through SB-F12-2075-10	SB-F12-2075-03 SB-F12-2075-05	Sampling location SB-F12-2075-05 was determined using professional judgement Group B E&E materials were detected at SB-F12-2075-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		2	2								1	1	Metals		Metals (5-2E & 5-15D)
F12-2075A	1	Blower House for F12-2075	This is a 10' x 20' wood structure; A large ventilation pipe connects to F12-2075; There is a loading door on the north side; Potential stressed vegetation at steam blow-out on north side	SB-F12-2075A-01 through SB-F12-2075A-05	SB-F12-2075A-03 SB-F12-2075A-04 SB-F12-2075A-05	Sampling location F12-2075A-05 was determined using professional judgement; Sample locations F12-2075A-03/04 were determined using XRF screening; Results indicated an arsenic concentration of 187 ppm at F12-2075A-03 and 135 ppm at SB-F12-2075A-04		3	3										3	1	1	Metals		Metals (5-2E & 5-15D)
F12-2221	1	Unknown	This is a very old brick structure; here is a loading door to the north; A drain pipe exits at the southwest corner; No evidence of a release	SB-F12-2221-01 through SB-F12-2221-06	SB-F12-2221-04 SB-F12-2221-05 SB-F12-2221-06	Sampling locations SB-F12-2221-05/06 were determined using professional judgement; Sample location SB-F12-2221-04 was determined using XRF screening; Results indicated an arsenic concentration of 272 ppm at SB-F12-2221-04		3	3		3	3								1	1	Metals, SVOCs		Metals (5-2E & 5-15D), SVOCs (5-2B & 5-15B)
F12-3	7	Sump	Seven foot diameter cement sump; Surface mounted pump; Pipe exits sump and enters ground to south; No evidence of a release	TP-F12-3-01	TP-F12-3-01	Test Pit was placed downgradient of the sump.		1			1	1	1							1	1			
F12-6	1	Unknown	This is a very old brick structure; here is a loading door to the north; A drain pipe exits at the southwest corner; No evidence of a release	SB-F12-6-01 through SB-F12-6-20	SB-F12-6-06 SB-F12-6-12	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2		2	2								1	1			
F12-8206	1	Mule Shed	Old barn; No evidence of a release	SB-F12-8206-01 through SB-F12-8206-05	SB-F12-8206-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 649 ppm at SB-F12-8206-03		1	1											1	1	Metals		Metals (5-2E & 5-15D)
F12-R1	4	Radford Packhouse Scrap Shed	Completely removed no evidence of location; Estimated location covered in asphalt; No evidence of a release	SB-F12-R1-01 through SB-F12-R1-03	SB-F12-R1-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1											1	1			
F13-1	9	Former Pond	Old pond that has been filled in; One drum and several bottles evident in SE area; Area is grass covered (area=23,000 sq ft)	SB-F13-1-01 through SB-F13-1-20	SB-F13-1-15 SB-F13-1-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,024 ppm at SB-F13-1-15. Analytical results did not detect elevated metal concentrations.		2	2											1	1			
F13-2077	4	Unknown	Completely removed no evidence of location; Estimated location covered in asphalt; No evidence of a release	SB-F13-2077-01 through SB-F13-2077-03	SB-F13-2077-01	Sampling location was determined using professional judgement. Screening results did not warrant biased sampling		1	1		1	1								1	1			
F13-236B	3	Unknown	Very old 10' x 15' cement foundation; Nearly completely removed; No evidence of a release (area=200 sq ft)	SB-F13-236B-01 through SB-F13-236B-03	SB-F13-236B-03 SB-F13-236B-01	Sampling location SB-F12-236B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-236B-01		2	2		2	2								1	1			
F13-8209	4	Unknown	Completely removed no evidence of location; Estimated location; No evidence of a release	SB-F13-8209-01 through SB-F13-8209-03	SB-F13-8209-03 SB-F13-8209-02	Sampling location SB-F13-8209-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F13-8209-02		2	2		2	2								1	1			

Table 2-2

Dynamite Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	N/Nitra	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F13-8230	3,6	Change House	Building demolished approximately 20' x 20; Only bricks and cinder block remain; Septic Tank associated with the building. No evidence of a release	SB-F13-8230-01 through SB-F13-8230-04 TP-F13-8230-05	SB-F13-8230-02 SB-F13-8230-03 TP-F13-8230-05	Sampling location SB-F13-8230-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F13-8230-03. Test Pit location was placed downgradient from the septic tank.	1	3	2											2	2			

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

***** = AOC reserved for RI due to presence of contamination
****** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-3

Nitroglycerin Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
B10-511	3	Graining House #1	Cement foundation with large amount of debris scatterred on top of it; partially thermally decontaminated; internal motor pit on W wall; pipes and scrap metal present; No evidence of release	SB-B10-511-01 through SB-B10-511-04	SB-B10-511-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals, E&E	SVOCs	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
B10-7	9	TNT in Soil	An area of stressed vegetation N of B11-511 (Graining House # 1) TNT in soil and patches devoid of vegetation (area=3,600 sq ft)	SB-B10-7-01 through SB-B10-7-11	SB-B10-7-02 SB-B10-7-10	Sampling location was determined using XRF screening Results indicated a lead concentration of 578 ppm at SB-7-02 and a lead conentration of 1,404 ppm at SB-B10-7-10 Group A E&E materials were detected at all screening locations using an Expray Test Kit		2	2		2	2						2		1	1		Metals**, E&E	SVOCs	E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
B11-1	9	Acid Recovery Area	Large area of stressed vegetation; bricks, glass, lead pipe present. Not completely void of vegetation, but much is missing (area=3,600 sq ft)	SB-B11-1-01 through SB-B11-1-11	SB-B11-1-08 SB-B11-1-11	Sampling locations were determined using XRF screening Results indicated a lead concentration of 6,360 ppm at SB-B11-1-08 and a lead concentration of 4,076 ppm at SB-B11-1-11		2	2		2	2						2		1	1		Metals		Metals (5-3E & 5-16C)
B11-11	4	Absorption Tower	Bldg destroyed; area vegetated; No evidence of release	SB-B11-11-01 through SB-B11-11-05	SB-B11-11-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 3,786 ppm at SB-B11-11-05; Group B E&E materials were detcted at SB-B11-11-05 using an Expray Test Kit		1	1		1	1								1	1		Metals	E&E	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B)
B11-2044	1,7	Redford Paste House, Heater House Catch Tank	Currently standing-used until recently; cut into a slope creating a berm; electric from underground from C11-2; 2 loading doors in front of bldg; catch tank bldg may have sent waste to dynamite ditch to S. No evidence of release	SB-B11-2044-01 through SB-B11-2044-08	SB-B11-2044-03 SB-B11-2044-04 SB-B11-2044-05 SB-B11-2044-06 SB-B11-2044-08	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		5	5		5	5								1	1		Metals	E&E	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B)
B11-2044C	1,5	Control House	Concrete and brick structure; former oil tank on eastern side; fill pipe hole in side of wall is evident; electric conduits on W side oil stain on W side; valve box NW of W corner	SB-B11-2044C-01 through SB-B11-2044C-07	SB-B11-2044C-01 SB-B11-2044C-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1			SVOCs	SVOCS (5-3B & 5-16A)
B11-3	10	Electric Transformer	Pole mounted; transformer intact; No evidence of release	SB-B11-3-01	SB-B11-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1				
B11-4	5	Tank Saddle	Three concrete tank cradles: No evidence of a release	SB-B11-4-01 through SB-B11-4-03	SB-B11-4-01 SB-B11-4-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1				
B11-5	8	NG Gutter	Old NG gutter; wooden structure removed only stanchions remain used when B11-2044 was used as the NG neutralizing and storage house # 4. No evidence of release (length = 750 feet)	SB-B11-5-01 through SB-B11-5-08		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
B11-6	5	Tank Cradles	Two tall tank cradles E of B11-2044; Old trash drum between cradles. No evidence of release	SB-B11-6-01 through SB-B11-6-03	SB-B11-6-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 520 ppm at SB-B11-6-03	1	1	1											1	1		Metals		Metals (5-3E & 5-16C)
B11-9	3	Heater House	Overgrown foundation; several cement foundations visible and a steam line with asbestos like insulation; No evidence for release	SB-B11-9-01 through SB-B11-9-04	SB-B11-9-02 SB-B11-9-03	Sampling location SB-B11-9-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B11-9-03		2	2											1	1				
C10-1	10	Electric Transformer	Base of pole intact; No evidence of release	SB-C10-1-01	SB-C10-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1		PCBs**		
C10-10	7	Concrete Pipe	4' diameter concrete pipe; houses two small asbestos-wrapped pipes look to be from mixed acid store (D10-211C); probably used so they could drive over the smaller pipes; No evidence of release	SB-C10-10-01 through SB-C10-10-03	SB-C10-10-01 SB-C10-10-02	Sampling location SB-C10-10-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-10-02		2	2											1	1			SVOCs	SVOCS (5-3B & 5-16A)
C10-12	3	Unknown	All that remains is an old stone foundation; There are many pipes coming from the TNT area; No evidence of a release	SB-C10-12-01 through SB-C10-12-05	SB-C10-12-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,488 ppm at SB-C10-12-03		1	1		1	1								1	1		Metals	SVOCs	Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
C10-13	9	Debris	Small area of rusted drum, some concrete fragments, and 6-8" steel pipe partially buried; drum hulk contained a black,granular material: No stressed vegetation; No evidence of release (area=100 sq ft)	SB-C10-13-01 through SB-C10-13-03	SB-C10-13-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		Metals		Metals (5-3E & 5-16C)
C10-211C	3	Mixed Acid Storage	Concrete foundation; basin-like structure in center probably for containment; two areas of stressed vegetation appear to be associated; ~40' in diameter NE of bldg and an area ~30' in diameter W of the bldg; foundation overgrown with grass (areas=1600 and 900 sq ft, respectively)	SB-C10-211C-01 through SB-C10-211C-07	SB-C10-211C-04 SB-C10-211C-06 SB-C10-211C-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		3	3		3	3							3	1	1		Metals, E&E	SVOCs	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
C10-241A	3	Shot Bldg	Cratered area from when former structure shot; broken debris from what looks like an explosion extending E from cratered area. No evidence of release	SB-C10-241A-01 through SB-C10-241A-05	SB-C10-241A-03 SB-C10-241A-05	Sampling location SB-C10-241A-03 was determined using XRF screening; Results indicated a lead concentration of 2,493 ppm. A confirmation sample was collected at SB-C10-241A-05. Analytical results did not detect elevated lead concentrations.		2	2		2	2								1	1				
C10-241C	3	Former Nitrator	Wooden based bldg; only wooden floor remains in L-shape. No evidence of release	SB-C10-241C-01 through SB-C10-241C-04	SB-C10-241C-04 SB-C10-241C-03	Sampling location SB-C10-241C-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-241C-03		2	2		2	2								1	1				
C10-5	3	Unknown	Concrete foundation with a destroyed berm; thermally decontaminated; area vegetated. No evidence of release (area=900 sq ft)	SB-C10-5-01 through SB-C10-5-04	SB-C10-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
C10-7	3	Concrete Footers	Three small concrete footers mostly covered with leaves and vegetation pipes in area, but need to be deferred there. No evidence of release	SB-C10-7-01 through SB-C10-7-05	SB-C10-7-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,004 ppm at SB-C10-7-01		1	1		1	1								1	1		Metals, E&E	SVOCs	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
C11-1	9	Former pond	Generally a flat area that appears to be flyash and a large number of bottles; bottles are mostly of household variety; two areas of stressed vegetation; old, broken tower in E; black powder storage is estimated to be at point 12 (area=28,000 sq ft)	SB-C11-4-01 through SB-C11-4-20	SB-C11-4-02 SB-C11-4-09 SB-C11-4-13 SB-C11-4-19 SB-C11-4-20	Sampling locations SB-C11-4-09/13/19/20 were determined using XRF screening; Results indicated a lead concentration of 1,493 ppm at SB-C11-4-09, 419 ppm at SB-C11-4-13, 2,349 ppm at SB-C11-4-19, and 419 ppm at SB-C11-4-20 ; Group B E&E materials were detected at SB-C11-4-02/09/13/20 using an Expray Test Kit		4	4		4	4							4	1	1		Metals, E&E	SVOCs	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)

Table 2-3

Nitroglycerin Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
C11-10	9	Coal Pile	Old coal pile with no vegetation growing on two sections (area=600 sq ft)	SB-C11-10-01 through SB-C11-10-03	SB-C11-10-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,615 ppm at SB-C11-10-01		1	1										1	1	1		Metals		Metals (5-3E & 5-16C)
C11-12	3	Name Unknown	Very old rock and brick foundation; use unknown; probably associated with C11-10 (coal pile); possibly a power house. No evidence of release (area=900 sq ft)	SB-C11-12-01 through SB-C11-12-05	SB-C11-12-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,058 ppm at SB-C11-12-02		1	1		1	1								1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
C11-15	3	Shot Bldg	Foundation ripped apart and strewn about; rebar bent; may have been a nitrator or neutralizer; area is vegetated. No evidence of release	SB-C11-15-01 through SB-C11-15-05	SB-C11-15-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
C11-18	3	Unknown	Rock foundation currently filled with some water; offset exit in SE corner. No evidence of release (area=500 sq ft)	SB-C11-18-01 through SB-C11-18-04	SB-C11-18-02 SB-C11-18-01	Sampling location SB-C11-18-02 was determined using XRF screening; Results indicated a lead concentration of 3,024 ppm. A confirmation sample was collected at SB-C11-18-01		2	2		2	2								1	1		Metals		Metals (5-3E & 5-16C)
C11-19	7	Catch Tank House	Small shed like structure with shingles for siding; housed outside catch tank; catch tank still present; entrance and exit for potential NG waste in the event of a spill; steam and water supplied to bldg. No evidence of release	SB-C11-19-01 through SB-C11-19-05	SB-C11-19-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 815 ppm at SB-C11-19-05		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
C11-22	5	Air Receiver Tank	4' x 10' air tank resting on two cradles; held air from NG process in bldg. C11-2233. No evidence of release	SB-C11-22-01 through SB-C11-22-03	SB-C11-22-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1				
C11-2233	2	Neutralizer # 3	Completely covered with a soil berm; two walkways and an NG gutter, wastewater pumped out of the S gutter to the outside catch tank; interior looks to be lead floor; No evidence of release	SB-C11-2233-01 through SB-C11-2233-05	SB-C11-2233-01 SB-C11-2233-02 SB-C11-2233-03	Sampling locations SB-C11-2233-02/03 were determined using professional judgement; Sampling location SB-C11-2233-01 was determined using XRF screening; Results indicated a lead concentration of 476 ppm at SB-C11-2233-01		3	3		3	3								1	1		Metals		Metals (5-3E & 5-16C)
C11-2233C	1	Storage Shed	Small wooden structure appears to be used for storage; steam and electricity. No evidence of release	SB-C11-2233C-01 through SB-C11-2233C-04	SB-C11-2233C-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1				
C11-2233D	1	A.C. House	Corrugated steel sided structure; housed AC for C11-2233; cinder block section on NE side; cannot determine utilities; E side contains steam sump and discharge pipe; 15' diameter of stressed vegetation to the W: steam sump discharge outlet covered with algae and a white precipitate	SB-C11-2233D-01 through SB-C11-2233D-06 TP-C11-2233D-07	SB-C11-2233D-05 SB-C11-2233D-06 TP-C11-2233D-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location was placed downgradient from the sump		3	2		1	1	1						2	2	2			E&E	E&E (5-3C & 5-16B)
C11-23	9	Stressed Vegetation	Small area of stressed vegetation W of C11-21;may be associated with C11-21 (area=100 sq ft)	SB-C11-23-01 through SB-C11-23-03	SB-C11-23-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1											1	1	1				
C11-24	1	Shed	Small shed used to store solar salt for water treatment; No evidence of release	SB-C11-24-01 through SB-C11-24-04	SB-C11-24-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1				
C11-25	9	Discharge Pipe	Terminated from steam sump at C11-21; shallow pit (2' x 2') received runoff from steam sump at C11-21; abundant algae and a white precipitate	SB-C11-25-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe No positive detections were found using an Expray Test Kit																			
C11-27	3	Unknown	Two footers on NE side (1' x1' x 2.5'); ground disturbed; No evidence of release	SB-C11-27-01 through SB-C11-27-05	SB-C11-27-02 SB-C11-27-03	Sampling location was determined using XRF and E&E screening Results indicated a lead concentration of 761 ppm at SB-C11-27-02; Group B E&E compounds were detected at SB-C11-27-03 using an Expray Test Kit. Analytical results did not detect elevated metal concentrations.	1	1			1	1								1	1			E&E, SVOCs	E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
C11-28	8	NG Gutter	Wooden structure supporting the NG gutter; begins at nitrator house and terminates at C11-2233 (length = 700 feet)	SB-C11-28-01 through SB-C11-28-07		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
C11-28A	8	NG Gutter	Short NG gutter from No. 2 nitrator to C11-28; gutter intact; No evidence of release (length = 50 feet)	SB-C11-28A-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
C11-29	8	NG Waste Gutter	Small wooden trough that contains a fiberglass pipe; carried waste waters from the catch tank house to final catch tank pipe looks intact; may follow an old ditch; an 8' section is made of lead. No evidence of release (length = 200 feet)	SB-C11-29-01 through SB-C11-29-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
C11-30	3	Acid Recovery Bldg	Very old large foundation; just an area of stressed vegetation; foundation overgrown; No evidence of release	SB-C11-30-01 through SB-C11-30-09	SB-C11-30-01 SB-C11-30-05 SB-C11-30-06	Sampling location was determined using XRF screening Results indicated a lead concentration of 842 ppm at SB-C11-30-05 and 755 ppm at SB-C11-30-05	3	3			3	3							3	2	2		Metals		Metals (5-3E & 5-16C)
C11-4	9	Stressed Vegetation	Large area of stressed vegetation (area=142,000 sq ft)	SB-C11-1-01 through SB-C11-1-20	SB-C11-1-04 SB-C11-1-05 SB-C11-1-09 SB-C11-1-17	Sampling locations SB-C11-1-04/09 were determined using XRF screening; Results indicated a lead concentration of 12,190 ppm at SB-C11-1-04 and a lead concentration of 2,749 ppm at SB-C11-1-09; Group B E&E materials were detected at C11-1-05 using an Expray Test Kit	3	3			1	1							3	1	1		Metals, SVOCs	E&E	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
C11-4A	9	Stressed Vegetation	Contains flyash and bottles; vegetation sparse or non-existent (area=300 sq ft)	SB-C11-4A-01 through SB-C11-4A-03	SB-C11-4A-01 SB-C11-4A-02	Sampling location SB-C11-4A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C11-4A-02	2	2											2	1	1				
C11-4B	9	Stressed Vegetation	Similar to stressed vegetation area A; contains flyash and bottles vegetation sparse or non-existent (area=100 sq ft)	SB-C11-4B-01 through SB-C11-4B-03	SB-C11-4B-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1											1	1	1				
C11-7	9	Stressed Vegetation	Small area stained brown that contains stressed vegetation (area=100 sq ft)	SB-C11-7-01 through SB-C11-7-03	SB-C11-7-02	Sampling location was determined from the presence of E&E compounds at SB-C11-7-02 Group A E&E compounds were detected at SB-C11-7-02 using an Expray Test Kit	1	1			1	1							1	1	1		E&E	SVOCs	E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)

Table 2-3

Nitroglycerin Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
C11-8	9	Stressed Vegetation	Area stained brown that contains debris and very little plant growth; barren in most places (area=1,600 sq ft)	SB-C11-8-01 through SB-C11-8-06	SB-C11-8-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,870 ppm at SB-C11-8-05		1	1										1	1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
C11-8572C	1	Storage Shed	Currently existing structure; aluminum sided with large loading/unloading door on E side; associated with nearby catch tank;contains old hoses for pumps. No evidence of release			Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit																	E&E*		E&E (5-3C & 5-16B)
C11-8572D	1	Instrument Room	Small shed with a meter that monitored the catch tank; aluminum siding. No evidence of release			Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit																	E&E*		E&E (5-3C & 5-16B)
C11-9	3	Unknown	Very old stone foundation; use of bldg unknown; No evidence of release (area=500 sq ft)	SB-C11-9-01 through SB-C11-9-05	SB-C11-9-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 8,360 ppm at SB-C11-9-04		1	1											1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
C11-N3	1	Neutralizer # 3 Scrap Shed	Small aluminum sided shed used to store scrap temporarily; currently empty. No evidence of release	SB-C11-N3-01 through SB-C11-N3-04	SB-C11-N3-03 SB-C11-N3-02	Sampling location SB-C11-N3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C11-N3-02		2	2											1	1				
D10-1	9	Stressed Vegetation	Small, 10' x 10', patch of ground where there is no vegetation. Slight brown staining (area=100 sq ft)	SB-D10-1-01 through SB-D10-1-03	SB-D10-1-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,029 ppm at SB-D10-1-02		1	1										1	1	1		Metals		Metals (5-3E & 5-16C)
D10-10	3	Brine Chiller	Square pad that contains the brine chiller; pad fairly new with secondary containment; valve to drain secondary containment at SW corner; equipment in good repair; structure covered. No evidence of release	SB-D10-10-01 through SB-D10-10-04	SB-D10-10-01 SB-D10-10-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1			SVOCs	SVOCS (5-3B & 5-16A)
D10-11	5	Air Receiver	Large air tank on two cement cradles over soil; drain on W side and air fill on E side; tank intact. No evidence of release	SB-D10-11-01 through SB-D10-11-03	SB-D10-11-01 SB-D10-11-03	Sampling location SB-D10-11-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-11-03	2	2												1	1				
D10-13	6	Septic Tank	A buried septic tank used for the No.1 and No.2 Nitrator House	TP-D10-13-01	TP-D10-13-01	Test Pit location was placed downgradient from the septic tank	1	1												1	1				
D10-14	1	Air Handler	Small concrete pad that supports the air handler for the nitrate bldg; line of stressed vegetation ~3' wide extends from the air handler south.	SB-D10-14-01 through SB-D10-14-05	SB-D10-14-05 SB-D10-14-03	Sampling location SB-D10-14-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-14-03		2	2										2	1	1			SVOCs	SVOCS (5-3B & 5-16A)
D10-15	5	Air Receiver Tank	Steel air tank associated with D10-2227 nitrator bldg; probably auxiliary to the larger air tank; tank hooked up to air and steam	SB-D10-15-01 through SB-D10-15-03	SB-D10-15-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 522 ppm and a copper concentration of 738 ppm at SB-D10-15-03 Analytical results did not detect elevated metal concentrations		1	1											1	1				
D10-16	3	Unknown		SB-D10-16-01 through SB-D10-16-04	SB-D10-16-03 SB-D10-16-02	Sampling location SB-D10-16-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-16-02	2	2	2	2										1	1				
D10-164B	1	Waste Acid House	Looks like D10-165B except there is pipe along S wall extending into ground (area=400 sq ft)	SB-D10-164B-01 through SB-D10-164B-04	SB-D10-164B-01 SB-D10-164B-02	Sampling locations were determined using XRF screening Results indicated a lead concentration of 3,132 ppm at SB-D10-164B-02 and 1,048 ppm at SB-D10-164B-01	2	2	2	2								2	1	1		Metals		Metals (5-3E & 5-16C)
D10-165B	3	Waste Acid House	Partial rock foundation remains;area disturbed and vegetated; No evidence of release (area=400 sq ft)	SB-D10-165B-01 through SB-D10-165B-04	SB-D10-165B-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,081 ppm at SB-D10-165B-02	1	1	1	1								1	1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-18	8	NG Gutter	Old NG gutter to Bldg. 2220; gutter has been dismantled all that remains is old Stanchion footers; most likely dismantled after bldg. Shot. No evidence of release (length = 250 feet)	SB-D10-18-01 through SB-D10-18-03		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
D10-2007	3	NG Pilot Plant	Totally removed with very little evidence of its existence; overturned sheet metal shed (4' x 8') resides on location; could not locate lead on foundation; Roux claims it exists; possibly overgrown (area=400 sq ft)	SB-D10-2007-01 through SB-D10-2007-04	SB-D10-2007-02 SB-D10-2007-04	Sampling location SB-D10-2007-02 was determined using XRF screening; Results indicated a lead concentration of 547 ppm. A confirmation sample was collected at SB-D10-2007-04	2	2	2	2										1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-2041	3	Block House	Cinder block structure with steam and electric lines; 5' x 6' cement pad on SE side; possible stressed vegetation on SE side	SB-D10-2041-01 through SB-D10-2041-08	SB-D10-2041-03 SB-D10-2041-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2	2	2								2	1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-21	8	Acid Line	2" SS acid line that runs from the acid scrubber to D10-12 and nitrator D10-2227 to the spent acid; line in good condition. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected																			
D10-22	8	NG Gutter	Originates at No 2 nitrator house and progresses NE; joins D10-23 and enters the catch tank at D10-223; No evidence of release (length = 200 feet)	SB-D10-22-01 through SB-D10-22-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
D10-2227	1	Nitrator No. 1 and No. 2	Supplied much if not all NG during operation; multiple NG gutters; two lines disconnected; multiple brine, glycerin and acid lines	SB-D10-2227-01 through SB-D10-2227-08	SB-D10-2227-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1	1								1	1	1		Metals		Metals (5-3E & 5-16C)
D10-2227E	1	Air Scrubber House	Concrete foundation;contains air scrubbing equipment from D10-2227 nitrating house; electric, steam, and air scrubbing lines. No evidence of release	SB-D10-2227E-01 through SB-D10-2227E-04	SB-D10-2227E-01 SB-D10-2227E-02	Sampling location SB-D10-2227E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2227E-02	2	2												1	1				
D10-2228	1,7	Drowning House	Housed a large lead basin that received waste possibly from nitrator bldg; pipeline leaves bldg and goes to NG catch tank. No evidence of release	SB-D10-2228-01 through SB-D10-2228-06	SB-D10-2228-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 537 ppm at SB-D10-2228-01	1	1	1	1									1	1		Metals**		
D10-2230	1	Spent Acid House	Large structure used to handle spent acid; multiple brine and acid lines; one large brine tank and one removed brine tank on SW side. No evidence of release	SB-D10-2230-01 through SB-D10-2230-08	SB-D10-2230-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,148 ppm at SB-D10-2230-03 Group B E&E materials were also detected at SB-D10-2230-03 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	1	1	1	1								1	1	1		Metals		Metals (5-3E & 5-16C)
D10-2230A	1	Acid Scrubber	Wooden and houses the acid scrubber equipment for spent acid house; loading dock for soda at W corner; acid scrubber pipe on NW side of bldg to spent acid house. No evidence of release	SB-D10-2230A-01 through SB-D10-2230A-06	SB-D10-2230A-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1	1								1	1	1		Metals		Metals (5-3E & 5-16C)
D10-2231	1,7	NG Catch Tank	Small structure housed an NG catch tank; waste waters flowing into the catch tank where material was captured and water continued on; No evidence of release	SB-D10-2231-01 through SB-D10-2231-04	SB-D10-2231-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1	1										1	1		Metals**, SVOCs		SVOCS (5-3B & 5-16A)

Table 2-3

Nitroglycerin Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
D10-2233	4	Neutralizer # 2	Bldg shot and left a water filled crater; associated bldgs D10-2233, D10-2048 and the catch tank were also leveled in blast; they were much closer to main structure than drawn by Roux; area covered with debris; air receiver tank thrown 200' E of former structure area vegetated with old domestic bottles at base of crater	SB-D10-2233-01 through SB-D10-2233-05	SB-D10-2233-04 SB-D10-2233-02	Sampling location SB-D10-2233-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233-02		2	2		2	2								1	1				
D10-2233A	4	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233A-01 through SB-D10-2233A-03	SB-D10-2233A-01 SB-D10-2233A-02	Sampling location SB-D10-2233A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233A-02		2	2		2	2								1	1				
D10-2233B	4	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233B-01 through SB-D10-2233B-03	SB-D10-2233B-03 SB-D10-2233B-02	Sampling location SB-D10-2233B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233B-02		2	2		2	2								1	1				
D10-2233C	4	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233C-01 through SB-D10-2233C-03	SB-D10-2233C-01 SB-D10-2233C-02	Sampling location SB-D10-2233C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233C-02		2	2		2	2								1	1				
D10-2233D	4	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233D-01 through SB-D10-2233D-03	SB-D10-2233D-03 SB-D10-2233D-02	Sampling location SB-D10-2233D-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233D-02		2	2		2	2								1	1				
D10-2233E	4	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233E-01 through SB-D10-2233E-03	SB-D10-2233E-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals**		
D10-23	8	NG Gutter	Short NG gutter that runs from No. 1 nitrator to catch tank house (D10-2231); joins D10-22 and continues to catch tank house. No evidence of release (length = 150 feet)	SB-D10-23-01 through SB-D10-23-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																		
D10-2349	3	Unknown	Bldg removed; area covered with grass; No evidence of release (area=100 sq ft)	SB-D10-2349-01 through SB-D10-2349-03	SB-D10-2349-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 736 ppm at SB-D10-2349-02		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
D10-24	8	NG Line	NG pipe that originates at No. 1 nitrator goes to Drowning House (2228). No evidence of release. (length = 100 feet)	SB-D10-24-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipeline No positive detections were found using an Expray Test Kit																		
D10-241B	4	Nitrator	Bldg completely removed; No evidence of release	SB-D10-241B-01 through SB-D10-241B-05	SB-D10-241B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		SVOCs		SVOCS (5-3B & 5-16A)
D10-24A	8	NG Gutter	Old NG gutter used to follow same path as D10-24 but looks like it detours around the browning house D10-2228; waste line from 2228 joins gutter on S side of bldg. No evidence of release (length = 100 feet)	SB-D10-24A-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																		
D10-25	8	Spent Acid Pipe	Small 2-inch SS line runs from spent acid house (D10-2230) to catch tank house (D10-2231); line looks intact. No evidence of release	SB-D10-25-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe No positive detections were found using an Expray Test Kit																		
D10-251	4	Change House	Bldg removed; area covered with grass; No evidence of release (area=100 sq ft)	SB-D10-251-01 through SB-D10-251-03	SB-D10-251-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		Metals		Metals (5-3E & 5-16C)
D10-26	8	Spent Acid Waste Line	Pipe from spent acid bldg (D10-2230) intersects waste line from catch tank house (D10-2231). No evidence of release	SB-D10-26-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of waste line No positive detections were found using an Expray Test Kit																		
D10-27	8	Catch Tank Waste Line	3" fiberglass line that exits D10-2231-the catch tank house; joined by a waste line from spent acid house (D10-2230) then goes S; goes underground, across road, and then cannot be followed. No evidence of release	SB-D10-27-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of waste line No positive detections were found using an Expray Test Kit																		
D10-3	10	Electric Transformer	Transformer has been removed. No evidence of release	SB-D10-3-01	SB-D10-3-01	Sample taken immediately adjacent to former pole Screening results indicated an arsenic concentration of 192 ppm Metals analysis still needs to be collected				1										1	1				
D10-4	3	Sucrose Nitrator	Bldg demolished; constructed of concrete and brick; immediate area vegetated. No evidence of release (area=900 sq ft)	SB-D10-4-01 through SB-D10-4-04	SB-D10-4-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,120 ppm and an arsenic concentration of 353 ppm at SB-D10-4-01		1	1		1	1							1	1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-5	9	Scrap Pile	Small pile of old scrap pipes; some covered with what looks like asbestos insulation; area vegetated. Asbestos may have been released (area=100 sq ft)	SB-D10-5-01 through SB-D10-5-03	SB-D10-5-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 998 ppm at SB-D10-5-01		1	1											1	1	1	Metals		Metals (5-3E & 5-16C)
D10-6	3	Unknown	Concrete and brick foundation; entrance /exit in S; foundation vegetated. No evidence of release	SB-D10-6-01 through SB-D10-6-05	SB-D10-6-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,240 ppm at SB-D10-6-02		1	1		1	1								1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-8	5	Unknown	Two small rock footers possibly used to support a tank; area vegetated. No evidence of release	SB-D10-8-01 through SB-D10-8-03	SB-D10-8-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1				
D10-8234	1	Parts Storage	Small steel shed with a cinder block base; bldg contains flanges some oil, and solvents (Triacitin). No evidence of release.	SB-D10-8234-01 through SB-D10-8234-04	SB-D10-8234-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,933 ppm and a zinc concentration of 8,070 ppm at SB-D10-8234-02		1	1											1	1		Metals		Metals (5-3E & 5-16C)
D10-8284	3	Unknown	Building completely removed. No evidence of release.	SB-D10-8284-01 through SB-D10-8284-04	SB-D10-8284-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 998 ppm at SB-D10-8284-01		1	1											1	1		Metals, SVOCs		Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
D10-9119	1	Mixed Acid Store	Bldg removed; only four concrete footers remain; footers currently being used to support pipes; No evidence of release (area=400 sq ft)	SB-D10-9119-01 through SB-D10-9119-04	SB-D10-9119-01 SB-D10-9119-02	Sampling location SB-D10-9119-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-9119-02		2	2		2	2								2	1	1			

Table 2-3

Nitroglycerin Area Sampling Plan
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Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
D10-N4	3	Spent Acid Area Scrap Shed	Siding material all that remains of the former scrap shed; No evidence of release (area=100 sq ft)	SB-D10-N4-01 through SB-D10-N4-03	SB-D10-N4-01	Sampling location was determined from the presence of E&E compounds at SB-D10-N4-02 Group B E&E compounds were detected at SB-D10-N4-02 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations		1	1		1	1							1	1	1				
D11-112	3	Box Sto.	Several concrete footers; former site overgrown; No evidence of release	SB-D11-112-01 through SB-D11-112-05	SB-D11-112-05 SB-D11-112-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-D11-112-01		2	2											1	1				
D11-20	3	NG Slum House	Small depression where bldg should be. No evidence of release (area=100 sq ft)	SB-D11-20-01 through SB-D11-20-03	SB-D11-20-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 580 ppm at SB-D11-20-01		1	1		1	1								1	1		Metals**		
D11-2031	1	DNT Heater House	Intact brick structure with elevated walkway; immediate area is vegetated; doesn't appear to be any vegetative impacts.			Reserved for Remedial Investigation due to the presence of DNT																	E&E*		E&E (5-3C & 5-16B)
D11-21	8	Waste NG Line	Two 4" diameter NG waste lines contained in a metal trough; line abruptly ends S of Bldg. 2220; lines may have been dismantled after Bldg. 2220 shot; No evidence of release. (length = 150 feet)	SB-D11-21-01 through SB-D11-21-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			
D11-3	7	NG Wastewater Tank	8' x 10' wastewater tank and associated loading/unloading platform; received wastewater from the catch tank; No evidence of release	SB-D11-3-01 through SB-D11-3-03	SB-D11-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
D11-8572A	7	NG Final Catch Tank	Small aluminum sided structure housed final NG catch tank; two process lines enter structure from NE and NW corner for the catch tank. No evidence of release	SB-D11-8572A-01 through SB-D11-8572A-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of process lines No positive detections were found using an Expray Test Kit																			
D11-8572B	1	Pump House	Pump house for the NG catch tank; consisted of an 8' x 15' aluminum sided shed that housed two pumps; shed connected to a 15' diameter water tank to push the NG waste water to the wastewater tank; No evidence of release	SB-D11-8572B-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipes No positive detections were found using an Expray Test Kit																			
D9-2	1	Pumphouse for Glycerin	Cement floored wooden structure; fairly new; housed pumps that pumped glycerin from the storage tanks to soda house (2229). No evidence for release	SB-D9-2-01 through SB-D9-2-04	SB-D9-2-04 SB-D9-2-01	Sampling location SB-D9-2-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-2-01		2	2											1	1				
D9-2229	1,5	Soda Prep House	Concrete and steel structure; loading dock on W side; two large 10' diameter soda and water solution tanks on E side; pipe lines enter and exit at NE and SW sides	SB-D9-2229-01 through SB-D9-2229-10	SB-D9-2229-01 SB-D9-2229-05	Sampling location SB-D9-2229-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-2229-05		2	2											1	1				
D9-3	1	Dust Collector	Dust collecting machine for soda house; electrical and collects dust from soda house by way of an air duct. No evidence of release	SB-D9-3-01 through SB-D9-3-04	SB-D9-3-02 SB-D9-3-01	Sampling location SB-D9-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-3-01		2	2											1	1				
D9-4	1	Motor and Pump House	Small cinder block structure that contains a water main piping; motor and pumps have been removed; bldg sits low and is partially dug out of a hill. No evidence of release	SB-D9-4-01 through SB-D9-4-04	SB-D9-4-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		Metals		Metals (5-3E & 5-16C)
D9-5	3	Unknown	Very old remnant of bldg that appears as flat, elevated area;some remnants of a concrete foundation; two reinforcing bars present. No evidence of release (area=800 sq ft)	SB-D9-5-01 through SB-D9-5-05	SB-D9-5-05 SB-D9-5-02	Sampling location SB-D9-5-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-5-02		2	2		2	2								1	1				
D9-8279	3	Unknown		SB-D9-8279-01 through SB-D09-8279-05	SB-D9-8279-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1											SVOCs		SVOCS (5-3B & 5-16A)
D9-8284	4	Solvent Storage	Former structure removed; next to no evidence of its existence; trash shed on former location. No evidence of release	SB-D9-8284-01 through SB-D9-8284-05	SB-D9-8284-05 SB-D9-8284-03	Sampling location SB-D09-8284-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D09-8284-03	2													1	1				
D9-9108	5	Glycerin Storage	Earthen bermed area with four glycerin storage tanks; three tanks ~ 6' x 25' and another ~ 8' x 25'; many pipes along S side of tank feed into pump house; tank furthest to E is oldest and largest and out of service	SB-D9-9108-01 through SB-D9-9108-12	SB-D9-9108-01 SB-D9-9108-04 SB-D9-9108-07 SB-D9-9108-10	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		4	4											1	1		SVOCs		SVOCS (5-3B & 5-16A)
D9-N1	3	Nitrator Scrap Shed	Scrap shed has been removed; area is flat and adjacent to a berm. No evidence of release (area=100 sq ft)	SB-D9-N1-01 through SB-D9-N1-03	SB-D9-N1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1				
E10-2031B	1,6	Change House	Brick structure used as a change house; looks like it has been converted to an office with parts around; septic tank ~ 20' SW of bldg (1 sludge sample taken during Single Phase Remediation effort). No evidence of release	SB-E10-2031B-01 through SB-E10-2031B-04 TP-E10-2031B-05	SB-E10-2031B-04 SB-E10-2031B-01 TP-E10-2031B-05	Sampling location SB-E10-2031B-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2031B-01. Test Pit location was placed downgradient of the septic tank.	1	3	3										2	2				
E10-2031C	3	Shed	Cement pad with a broken metal shed; shed contains fire extinguishers and general maintenance equipment; No evidence of release	SB-E10-2031C-01 through SB-E10-2031C-04	SB-E10-2031C-01 SB-E10-2031C-03	Sampling location SB-E10-2031C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2031C-03		2	2											1	1				
E10-2169	1	Emulsifier House	Wooden structure on concrete footers; floor is lead	SB-E10-2169-01 through SB-E10-2169-04	SB-E10-2169-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 485 ppm and a copper concentration of 880 ppm at SB-E10-2169-03		1	1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
E10-2169A	5	Emulsifier House Catch Tank	Cement foundation and corrugated steel sides; houses a catch tank in the event NG is spilled; entrance and discharge for NG waste is on NW side of bldg. No evidence of release	SB-E10-2169A-01 through SB-E10-2169A-04	SB-E10-2169A-01 SB-E10-2169A-04	Sampling location SB-E10-2169A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2169A-04		2	2		2	2								1	1			E&E, SVOCs	E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
E10-2177	3	Former PETN Magazine	Bldg nearly completely removed; only evidence is a few rocks from the foundation, some metal debris, and burnt telephone poles; two areas of stressed vegetation one E and one W	SB-E10-2177-01 through SB-E10-2177-06	SB-E10-2177-06	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,723 ppm at SB-E10-2177-06			1		1	1								1	1		Metals		Metals (5-3E & 5-16C)
E10-2314	3	Acetone Weigh House	Bldg demolished; three 1.5' x 1.5' footers remain; area vegetated. No evidence of release.	SB-E10-2314-01 through SB-E10-2314-03	SB-E10-2314-02 SB-E10-2314-01	Sampling location SB-E10-2314-02 was determined using XRF screening; Results indicated a zinc concentration of 2,143 ppm. A confirmation sample was collected at SB-E10-2314-01. Analytical results did not detect elevated metal concentrations.	2	2	2		2	2							1	1				
E10-4	3	Concrete Pads	Two small concrete pads possibly associated with E10-618A; unknown use	SB-E10-4-01 through SB-E10-4-04	SB-E10-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals, E&E	SVOCs	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)

Table 2-3

Nitroglycerin Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Asbestos	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
E10-5	9	Lime Pond	Currently one long line of stone along W side and a ditch along eastern side; area has been filled in and is vegetated. No evidence of release (area=5,500 sq ft)	SB-E10-5-01 through SB-E10-5-13	SB-E10-5-06 SB-E10-5-08	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,330 ppm at SB-E10-5-06 and 2,547 ppm at SB-E10-5-08		2	2											1	1		Metals	SVOCs	Metals (5-3E & 5-16C), SVOCs (5-3B & 5-16A)
E10-618A	5	NG Chemical Loading Station	Former chemical loading spot for tanker cars; ~ 150 gallon S.S. tank associated; scaffolding to get to top of tanker cars; safety shower; doesn't appear to be any vegetative impacts.	SB-E10-618A-01 through SB-E10-618A-04	SB-E10-618A-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1								1	1		Metals, SVOCs	E&E	Metals (5-3E & 5-16C), E&E (5-3C & 5-16B), SVOCs (5-3B & 5-16A)
E10-8277	1	Hose House	Brick foundation with wooden structure; two old NG pipes on E side; electric box on NW corner. No evidence of release	SB-E10-8277-01 through SB-E10-8277-04	SB-E10-8277-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 484 ppm at SB-E10-8277-01		1	1											1	1		Metals		Metals (5-3E & 5-16C)
E10-9	8	NG Gutter	Old NG gutter from Bldg. 2220 to the emulsifier house (E10-2169); cannot determine how it ran into Bldg. 2220 since it shot with little remaining. No evidence of release (length = 550 feet)	SB-E10-9-01 through SB-E10-9-06		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit																			

Notes:

All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

TOC and GRAIN SIZE collected at each AOC

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-4

PETN Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances	Total Unrestricted Use Exceedances and Table Reference
B10-2178	3	PETN Blender	Old thermally decontaminated structure; large amount of metal scrap and drums present; lead present on the ground, and there is stressed vegetation where this occurs	SB-B10-2178-01 through SB-B10-2178-05	SB-B10-2178-03 SB-B10-2178-05	Sampling locations were determined using XRF screening Results indicated a copper concentration of 1,377 ppm and a zinc concentration of 2,550 ppm at SB-B10-2178-05 and a lead concentration of 7,430 ppm and a zinc concentration of 1,902 ppm at SB-B10-2178-03		2	2		2	2			2				2	1	1	Metals, SVOCs, E&E		Metals (5-4D & 5-17C), SVOCs (5-4B & 5-17A), E&E (5-4C & 5-17B)
C10-15	5	Tank Saddles	Two wooden tank saddles; tank is removed; No evidence of release	SB-C10-15-01 through SB-C10-15-03	SB-C10-15-02	Sampling location was determined using professional judgement screening results did not warrant biased sampling	1	1			1	1			1					1	1			
C10-2	5	PETN Crystallizer Tank Saddles	Three concrete tank saddles; foundations are 1.5' x 10' separated by about 15'; all tanks removed; a lot of debris surrounding area; area vegetated; No evidence of release	SB-C10-2-01 through SB-C10-2-09	SB-C10-2-04 SB-C10-2-05 SB-C10-2-07	Sampling locations were determined using XRF screening Results indicated a lead concentration of 1,538 ppm at SB-C10-2-04, 1,000 ppm at SB-C10-2-05 and 1,502 ppm at SB-C10-2-07	3	3	3		3	3			3					1	1	Metals		Metals (5-4D & 5-17C)
C10-2176	3	PETN Crystallizer	Old foundation, broken with rubble around; pipe in interior of bldg. use is unknown. No evidence of release	SB-C10-2176-01 through SB-C10-2176-05	SB-C10-2176-01 SB-C10-2176-02	Sampling location SB-C10-2176-01 was determined using professional judgement; Group A E&E materials were detected and analyzed at SB-C10-2176-01 using an Expray Test Kit		1	1		1	1			1					1	1	Metals, E&E, SVOCs		Metals (5-4D & 5-17C), SVOCs (5-4B & 5-17A), E&E (5-4C & 5-17B)
C10-2179	3	PETN Nitric Acid Store	Three 1' x 7' concrete foundations; area has a slight potential berm; area is vegetated; two old drums E of the foundations; No evidence of release	SB-C10-2179-01 through SB-C10-2179-05	SB-C10-2179-03	Sampling location was determined using professional judgement screening results did not warrant biased sampling		1	1									1	1	1	Metals		Metals (5-4D & 5-17C)
C10-3	5	PETN Crystallizer Tank Saddle	Wooden tank cradle designed to hold one tank; tank removed; Great deal of debris adjacent to tank cradle; No evidence of release	SB-C10-3-01 through SB-C10-3-03	SB-C10-3-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 526 ppm at SB-C10-3-02	1	1	1		1	1			1					1	1	Metals	E&E	Metals (5-4D & 5-17C), E&E (5-4C & 5-17B)
C10-4	1,5	PETN Storage	Large, old structure; series of three tank cradles in NE corner with a ceramic pipe to the ground between three additional footers; W side has three more ceramic pipes that go into the ground about one foot; look like steam sumps; three distinct levels to this structure as it moves up slope; No evidence of release	SB-C10-4-01 through SB-C10-4-07	SB-C10-4-02 SB-C10-4-07	Sampling locations were determined using XRF screening Results indicated a lead concentration of 720 ppm at SB-C10-4-02 and 500 ppm at SB-C10-4-07 Analytical results did not detect elevated metal concentrations					2	2			2					1	1	E&E		E&E (5-4C & 5-17B)

Notes:

All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetranitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
G6-1	3	Magazine	Building demolished, minimal evidence of remains; Portions of stone foundation remain; No evidence of release	SB-G6-1-01 through SB-G6-1-03	SB-G6-1-03 SB-G6-1-02	Sampling location SB-G6-1-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-1-02					2	2	2							1	1			
G6-2	3	Unknown	Building demolished, old stone foundation remains; Location of building corners estimated; No evidence of release	SB-G6-2-01 through SB-G6-2-03	SB-G6-2-03 SB-G6-2-02	Sampling location SB-G6-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-2-02		2	2		2	2	2							1	1	SVOCs		SVOCs (5-5B & 5-18B)
G6-3	3	Unknown Storage House	Dilapidated wooden structure. No evidence of former contents or content description. No evidence of release.	SB-G6-3-01 through SB-G6-3-04	SB-G6-3-01 SB-G6-3-02	Sampling location SB-G6-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-3-02		2	2										1	1		SVOCs	SVOCs (5-5B & 5-18B)
G6-4	5	Unknown Storage Tank	Above ground storage tank mounted on concrete cradles. Pressure gauge mounted on S end. No evidence of release.	SB-G6-4-01 through SB-G6-4-03	SB-G6-4-01	Sampling location SB-G6-4-01 was determined using XRF screening; Results indicated a lead concentration of 535 ppm at SB-G6-4-01. Analytical results did not detect elevated metal concentrations.	1	1	1										1	1			
G6-8128	1	Surveillance Test Laboratory	Development laboratory, brick construction over concrete pad. Small surveillance room off W side with a weight on a drop string. No evidence of release	SB-G6-8128-01 through SB-G6-8128-04	SB-G6-8128-04	Sampling location SB-G6-8128-04 was determined using XRF screening; Results indicated a lead concentration of 1,637 ppm at SB-G6-8128-04		1	1		1	1	1							1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G6-8129	1	Vacuum Pump House	Brick and corrugated metal over wooden construction; Discharge pipe and lead pipe enter ground on W side; AST on W side. No evidence of release	SB-G6-8129-01 through SB-G6-8129-08	SB-G6-8129-01 SB-G6-8129-05 SB-G6-8129-06	Sampling locations SB-G6-8129-05/06 was determined using professional judgement. Sampling location SB-G6-8129-01 was determined using XRF screening; Results indicated a lead concentration of 569 ppm and a zinc concentration of 2,450 ppm at SB-G6-8129-01		3	3										1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G6-8242	3	Store House	Building demolished, minimal evidence of remains; location determined from historical maps; No evidence of release	SB-G6-8242-01 through SB-G6-8242-04	SB-G6-8242-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1	Metals		Metals (5-5E & 5-18E)
G6-8243	1	Chemical Store House #3	Wooden and corrugated sheet metal construction with dilapidated wood/stone foundation; Possible iron staining on S side; No evidence of release	SB-G6-8243-01 through SB-G6-8243-04	SB-G6-8243-03	Sampling location SB-G6-8243-03 was determined using XRF screening; Results indicated a lead concentration of 726 ppm at SB-G6-8243-01	1	1	1										1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G6-8244	1	Chemical Store House #1	Wooden construction over concrete masonry unit foundation. Metal shelving inside. No evidence of release	SB-G6-8244-01 through SB-G6-8244-04	SB-G6-8244-01 SB-G6-8244-03	Sampling location SB-G6-8244-01 was determined using XRF screening; Results indicated a mercury concentration of 275 ppm. A confirmation sample was collected at SB-G6-8244-03	2	2	2										1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G6-8261	1	Solvent Shed	Wood and corrugated sheet metal construction; One door in front for loading/unloading; No evidence of release	SB-G6-8261-01 through SB-G6-8261-05	SB-G6-8261-03 SB-G6-8261-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2												1	1			
G6-906	4	Auto Shed	Area is currently paved over, location determined from maps. No evidence of release	TP-G6-906-01 through TP-G6-906-03	TP-G6-906-01 TP-G6-906-02	Test Pits dug through asphalt in sampling locations using professional judgement.	2	2	2										1	1			
G6-9219	4	Sample Magazine	Only some bricks and metal debris remain of this former structure. Building appears to have been dismantled long ago. No evidence of release.	SB-G6-9219-01 through SB-G6-9219-05	SB-G6-9219-05 SB-G6-9219-04	Sampling location SB-G6-9219-05 was determined using professional judgement; Screening results did not warrant biased sampling.A confirmation sample was collected at SB-G6-9219-04		2	2		2	2	2							1	1			
G7-2347	4	Chemical Storage	Building demolished, area currently paved over; Location determined from historical maps; No evidence of release	TP-G7-2347-01 through TP-G7-2347-03	TP-G7-2347-02 TP-G7-2347-03	Test Pits dug through asphalt in sampling locations using professional judgement.	2	2	2										1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G7-8139	1,10	Medical Building	Brick building built on concrete block foundation; 3 Transformers and utility boxes on S side; No evidence of release	SB-G7-8139-01 through SB-G7-8139-10	SB-G7-8139-02 SB-G7-8139-05 SB-G7-8139-08	Sampling location SB-G7-8139-05 was determined using XRF screening; Results indicated a lead concentration of 493 ppm and a copper concentration of 722 ppm at SB-G6-8139-05. Group B E &E materials were detected at SB-G7-8139-02		1	1	1									1	1	Metals		Metals (5-5E & 5-18E)
G7-8140	1,6	Break Room	Wooden and corrugated sheet metal construction over concrete foundation. Break room sinks and tables present. Possible septic tank on E side. No evidence of release.	SB-G7-8140-01 through SB-G7-8140-04	SB-G7-8140-02 TP-G7-8140-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from septic		2	1										1	1			
G7-8249	1	Store House	Wooden construction with corrugated sheet metal covering on concrete foundation. Appears to be mostly storage. No evidence of release	SB-G7-8249-01 through SB-G7-8249-04	SB-G7-8249-02	Sampling location SB-G7-8249-02 was determined using XRF screening; Results indicated a lead concentration of 771 ppm at SB-G7-8249-02		1	1										1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
G7-E49	1	Extra Magazine	Small wooden storage magazine with a smaller shed Electrical connection to smaller shed, 2" steam line to magazine "8249A" spray painted on the front. No evidence of release	SB-G7-E49-01 through SB-G7-E49-05	SB-G7-E49-02 SB-G7-E49-05	Sampling location SB-G7-E49-02 was determined using XRF screening; Results indicated an arsenic concentration of 233 ppm. A confirmation sample was collected at SB-G7-E49-05. Analytical results did not detect elevated metal concentrations.			1		2	2	2							2	2			
G8-2293	3	Scrap Shed	Building demolished, only minor amounts of wood present; Metal stake for former ground also present No evidence of release (area=100 sq ft)	SB-G8-2293-01 through SB-G8-2293-03	SB-G8-2293-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1	SVOCs		SVOCs (5-5B & 5-18B)
G8-8177A	1	Storage Shed	Small wooden and corrugated sheet metal storage shed; Adjacent single phase transformer and electrical controls; No evidence of release	SB-G8-8177A-01 through SB-G8-8177A-03	SB-G8-8177A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1			
G8-8178	2	Blending House	Corrugated cylindrical metal room covered in soil; Small barrel house-sheet metal front; No evidence of release	SB-G8-8178-01 through SB-G8-8178-02	SB-G8-8178-01 SB-G8-8178-02	Sampling location SB-G08-8178-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G08-8178-02		2	2		2	2	2							1	1			
H5-1	6	Septic Tank	Large septic tank covered by a S.S. lid (one sludge sample taken during IRM effort)	TP-H5-1-01	TP-H5-1-01	Test Pit location was placed downgradient from the septic.	1	1											1	1			
H5-2	10	Electric Transformer	Transformer mounted on pole adjacent to two decon ovens.	SB-H5-2-01	SB-H5-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1									1	1			
H5-3	6	Septic Tank	Possible photo reagents present; No evidence of release	TP-H5-3-01	TP-H5-3-01	Test Pit location placed downgradient from septic	1	1											1	1			
H5-4	9	Stressed Soil Area	Area of stressed soil with aggregate present (area=500 sq ft)	SB-H5-4-01 through SB-H5-4-03	SB-H5-4-03	Sampling location SB-H5-4-03 was determined using XRF screening; Results indicated a copper concentration of 2,650 ppm at SB-H5-4-03		1	1									1	1	1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H5-8126	1	Ballistics Building	Large brick building with multiple entrances. Two long indoor shooting ranges, laboratory areas on W end. Possible release near shooting trap areas.	SB-H5-8126-01 through SB-H5-8126-12	SB-H5-8126-06 SB-H5-8126-07 SB-H5-8126-11	Sampling locations SB-H5-8126-06/07 were determined using XRF screening; Results indicated a lead concentration of 6,420 ppm at SB-H5-8126-06, and a copper concentration of 653 ppm and a mercury concentration of 1,164 ppm at SB-H5-8126-07. Group B E&E materials were determined at SB-H5-8126-11. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H5-8180	4	Gate House	Remnant Building, location determined from historical maps			Test Pits were dug at this AOC. Underground pipelines were found at this location. Sampling was suspended.																		
H5-8181	4	Unknown	Remnant Building, location determined from historical maps	SB-H5-8181-01 through SB-H5-8181-03	SB-H5-8181-01 SB-H5-8181-03	Test Pits dug through asphalt in sampling locations using professional judgement.		2	2		2	2	2							1	1	SVOCs		SVOCs (5-5B & 5-18B)
H5-8254	1	Photo Laboratory	Extension off NW corner of Bldg. 8126; Concrete masonry unit construction with plaster floor and wooden walls on S third of building; Marked as lead print with vertical asbestos shingles; No evidence of release	SB-H5-8254-01 through SB-H5-8254-04	SB-H5-8254-04 SB-H5-8254-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-H05-8254-01		2	2		2	2	2							1	1			
H5-938	1	Trap House	Corrugated metal top on concrete trap house; Filled with scrap wood, glass and ceramic debris; No evidence of release	SB-H5-938-01 through SB-H5-938-04	SB-H5-938-01	Sampling location SB-H5-938-01 was determined using XRF screening; Results indicated a copper concentration of 2,650 ppm at SB-H5-938-01		1	1											1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H6-1	3	Store House	All that remains is six concrete footers; No evidence of release	SB-H6-1-01 through SB-H6-1-05	SB-H6-1-02 SB-H6-1-03	Sampling location SB-H06-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H06-1-03		2	2											1	1			
H6-10	6	Septic Tank	Large septic tank, large pit was excavated and timbers placed over and covered with earth	TP-H6-10-A	TP-H6-10-A	Test Pit location placed downgradient from septic	1	1												1	1			
H6-11A	6	Septic Tank	Septic tank with SS lid along path near substation (one sludge sample taken during IRM effort)	TP-H6-11-A	TP-H6-11-A	Test Pit location placed downgradient from septic	1	1												1	1			
H6-12	10	Electric Transformer	Small electric transformer on top of telephone pole; Transformer looks corroded but intact; No evidence of release	SB-H6-12-01	SB-H6-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H6-4	10	Electric Transformer	Small electric transformer on telephone pole; Transformer looks corroded but intact; No evidence of release	SB-H6-4-01	SB-H6-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H6-7	10	Electric Transformer	Electric transformer mounted to telephone pole; Gray in color, with minor rust on housing; No evidence of release	SB-H6-7-01	SB-H6-7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H6-8116	1	Gate House	Aluminum siding over wooden construction on a concrete foundation. No evidence of hazardous materials handled or released.	SB-H6-8116-01 through SB-H6-8116-04	SB-H6-8116-01 SB-H6-8116-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-H6-8116-01. A confirmation sample was collected at SB-H6-8116-02.		2	2	1	1	1								1	1		SVOCs	SVOCs (5-5B & 5-18B)
H6-8120	1	General Laboratory	Brick laboratory built on concrete foundation. Multiple vent hoods and discharge pipes, concrete catch pipe with gray material on NW corner	SB-H6-8120-01 through SB-H6-8120-08	SB-H6-8120-04 SB-H6-8120-05 SB-H6-8120-06	Sampling location SB-H6-8120-05 was determined using professional judgement. Sampling locations SB-H6-8120-04/06 were determined using XRF screening; Results indicated a mercury concentration of 363 ppm at SB-H6-8120-04 and a copper concentration of 673 ppm at SB-H6-8120-06	3	3	3										1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H6-8122	1	Break Room	Concrete and brick building used for breaks and meals only. No suspected as handling hazardous substances. No evidence of release.	SB-H6-8122-01 through SB-H6-8122-04	SB-H6-8122-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-5B & 5-18B)
H6-8123B	1	Environmental Office	Old building identified using old maps. Door to the W, a covered concrete pad to the E, and a drain pipe that ends in the SE. No evidence of release.	SB-H6-8123B-01 through SB-H6-8123B-06	SB-H6-8123B-04 SB-H6-8123B-06	Sampling location SB-H6-8123B-06 was determined using professional judgement. Sampling location SB-H6-8120-04 was determined using XRF screening; Results indicated a lead concentration of 432 ppm at SB-H6-8123B-06		2	2											1	1	Metals		Metals (5-5E & 5-18E)
H6-8127	1	Sensitivity Test Laboratory	Very old concrete and brick building with an extension on E side; No evidence of release	SB-H6-8127-01 through SB-H6-8127-04	SB-H6-8127-02	Sampling location SB-H6-8127-02 was determined using XRF screening; Results indicated a copper concentration of 1,072 ppm at SB-H6-8127-02		1	1	1	1	1	1							1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H6-8130	1	PETN/Stability Laboratory	Brick construction with attached wooden/corrugated metal storage area. Outside NG/smokeless powder waste storage areas. No evidence of release	SB-H6-8130-01 through SB-H6-8130-07	SB-H6-8130-03 SB-H6-8130-06	Sampling location SB-H6-8130-03 was determined using XRF screening; Results indicated a lead concentration of 563 ppm at SB-H6-8130-03 Group B E&E materials were determined at SB-H6-8130-06		2	2	2	2	2	2							1	1	Metals, SVOCs, E&E		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B),
H6-8152	1	Main Office	Brick construction on concrete foundation. Four pipe outlets on N and S sides, culvert (possibly sanitary) on center of S side. Basement entrance on W side is listed as asbestos hazard area. No evidence of release.	SB-H6-8152-01 through SB-H6-8152-08	SB-H6-8152-04 SB-H6-8152-05 SB-H6-8152-07	Sampling locations SB-H6-8152-05/07 was determined using professional judgement. Sampling location SB-H6-8152-04 was determined using XRF screening; Results indicated a lead concentration of 418 ppm at SB-H6-8152-04		3	3											1	1	Metals		Metals (5-5E & 5-18E)
H6-8152A H6-8152B	6	Main Office Septic Tanks	Two vent pipes present only; Area covered with vegetation; (one sludge sample taken from each during IRM effort); No evidence of release	TP-H6-8152A/8152B	TP-H6-8152A/8152B	One Test Pit taken for both septics using professional judgement for location	1	1												1	1			
H6-8245	1	Store House	Wood and steel structure; No evidence of release	SB-H6-8245-01 through SB-H6-8245-04	SB-H6-8245-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H6-8246	1	Store House	Wood and steel structure; No evidence of release	SB-H6-8246-01 through SB-H6-8246-04	SB-H6-8246-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-5B & 5-18B)
H6-8247	1	Experimental Laboratory Store House	Brick structure on a concrete foundation; A lead pipe exits the building to septic tank; Two doors on the W side; No evidence of release	SB-H6-8247-01 through SB-H6-8247-05	SB-H6-8247-02 SB-H6-8247-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2	2											1	1			
H6-8250	1	Store House	Wood and steel structure; There are two AC units on the N side; No evidence of release	SB-H6-8250-01 through SB-H6-8250-04	SB-H6-8250-01 SB-H6-8250-04	Sampling location SB-H6-8250-01 was determined using XRF screening; Results indicated a lead concentration of 933 ppm at SB-H6-8250-01		2	2											1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H6-8251	3	Smokeless Magazine	Very old stone structure that has collapsed on itself; No evidence of release	SB-H6-8251-01 through SB-H6-8251-04	SB-H6-8251-03 SB-H6-8251-02	Sampling location SB-H6-8251-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-8251-02.					2	2	2							1	1			

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H6-8275	1	Nitrocellulose Storage	Wooden structure used to house NC; No evidence of release	SB-H6-8275-01 through SB-H6-8275-04	SB-H6-8275-02 SB-H6-8275-04	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-H6-8275-02. A confirmation sample was collected at SB-H6-8275-04. Analytical results did not detect elevated E&E concentrations.					2	2	2							1	1			
H6-8285	1,6	Development Area Change House	Old brick building on a concrete foundation; Two drain pipes on the N and S, a steam drain for N side of building, and a pipe that enters the ground at NE corner; In the SE there is a footer with a tank and drain with SV nearby. Scrap shed with three old water heaters in NE	SB-H6-8285-01 through SB-H6-8285-12	SB-H6-8285-05 SB-H6-8285-07 SB-H6-8285-08 TP-H6-8285-12	Sampling locations SB-H6-8285-05/07 were determined using XRF screening; Results indicated a mercury concentration of 538 ppm at SB-H6-8285-05, and a lead concentration of 493 ppm at SB-H6-8285-07. Group B E&E materials were determined at SB-H6-8285-08. Test Pit location placed downgradient from septic. Analytical results did not detect elevated E&E concentrations.	1	4	3		1	1	1							2	2	Metals, SVOCs	E&E	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
H6-8520	10	Main Gate Substation	Fenced electric substation covered with gravel that contains five telephone poles with many insulators; No evidence of release	SB-H6-8520-01 through SB-H6-8520-05	SB-H6-8520-01 SB-H6-8520-02 SB-H6-8520-03 SB-H6-8520-04 SB-H6-8520-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling				5										1	1	PCBs		PCBs (5-5D & 5-18D)
H6-862	1	Test House	Cement structure with door on the W side; Steam enters from N, steam drain to S; No evidence of release	SB-H6-862-01 through SB-H6-862-05	SB-H6-862-04 SB-H6-862-01	Sampling location SB-H6-862-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-862-01.		2	2		2	2	2							1	1			
H6-9	10	Electric Transformer	New electric transformer mounted to telephone pole; Gray colored housing with no discoloration; No evidence of release	SB-H6-9-01	SB-H06-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H6-918	4	Building 918	Area currently covered with gravel/soil/vegetation; Electrical connections/pole at SW corner; Area adjacent to H6-8152A; No evidence of release	SB-H6-918-01 through SB-H6-918-05	SB-H6-918-01 SB-H6-918-03	Sampling location SB-H6-918-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-918-03.		2	2		2	2	2							1	1			
H6-941(C)	4	Cap Test Area	Former building has been completely removed; All that remains is an elevated grass area; No evidence of release	SB-H6-941C-01 through SB-H6-941C-05	SB-H6-941C-02 SB-H6-941C-03	Sampling location SB-H6-941C-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-941C-03.		2	2		2	2	2							1	1			
H7-1	7	General Laboratory Discharge Area	Concrete containment basin listed as "water and contents partially unknown"; 2" steel vent (?) pipe present; No evidence of release	TP-H7-1-01	TP-H7-1-01	Test Pit location placed downgradient from the sump		1			1	1	1							1	1			
H7-10	10	Electric Transformer	Black with some dark gray discoloration; No evidence of release	SB-H7-10-01	SB-H7-10-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H7-12	6	Unknown Tank	Steel lid cast in concrete covers water filled tank; Steel or metal sidewalls; Clear water inside-expected septic tank	TP-H7-12-01	TP-H7-12-01	Test Pit location was placed downgradient from the septic	1	1												1	1			
H7-13	3	Unknown	Building demolished, only concrete footer remains; Stressed vegetation adjacent to SW corner footer-slag present	SB-H7-13-01 through SB-H7-13-05	SB-H7-13-05	Sampling location SB-H7-13-05 was determined using XRF screening; Results indicated a lead concentration of 4,950 ppm at SB-H7-13-05		1	1		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B),
H7-15	1	Store House	Small empty aluminum sided shed; No evidence of release	SB-H7-15-01 through SB-H7-15-04	SB-H7-15-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-5E & 5-18E)
H7-2	10	Electric Transformer	Intact transformer on telephone pole; No evidence of release	SB-H7-2-01	SB-H7-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
H7-2172	1	Canister House	Canister house with multiple loading areas	SB-H7-2172-01 through SB-H7-2172-08	SB-H7-2172-03 SB-H7-2172-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1		E&E	E&E (5-5C & 5-18C)
H7-4	3	Unknown	Unknown bldg.	SB-H7-4-01 through SB-H7-4-04	SB-H7-4-04 SB-H7-4-02	Sampling location SB-H7-4-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-4-02.		2	2		2	2	2							1	1			
H7-5	3	Unknown Trailer	Wooden construction sided trailer-recent installation; No evidence of release	SB-H7-5-01 through SB-H7-5-04	SB-H7-5-01 SB-H7-5-02	Sampling location SB-H7-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-4-02.		2	2		2	2	2							1	1			
H7-6	4	Unknown	Building demolished, area currently covered by vegetation; Location determined from historical maps; No evidence of release	SB-H7-6-01 through SB-H7-6-03	SB-H7-6-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
H7-606L	4	Unknown	Building demolished, location determined from historical maps. No evidence of release	SB-H7-606L-01 through SB-H7-606L-03	SB-H7-606L-01	Sampling location SB-H7-606L-01 was determined using XRF screening; Results indicated an arsenic concentration of 331 ppm at SB-H7-606L-01. Analytical results did not detect elevated metal concentrations.		1	1		1	1	1							1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H7-8123A	1	Propellant Development	Wood and steel structure on concrete foundation with a small concrete pad to the S that held an air handler. Two doors on each the E and W sides, and a pipe outlet on the N side with a steam drain. SV associated with the air handler pad	SB-H7-8123A-01 through SB-H7-8123A-08	SB-H7-8123A-03 SB-H7-8123A-06	Sampling locations SB-H7-8123A-03/06 were determined using XRF screening; Results indicated a lead concentration of 808 ppm at SB-H7-8123A-03 and 15,980 ppm at SB-H7-8123A-05 and a mercury concentration of 343 ppm at SB-H7-8123A-05		2	2		2	2	2							1	1	Metals, SVOCs	E&E	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
H7-8124	1	SW Sampler Concrete Pad	Concrete pad constructed for mounting surface water sampler. No evidence of release	SB-H7-8124-01 through SB-H7-8124-04	SB-H7-8124-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
H7-8131	1,7	Smokeless Military Building	Wooden and concrete structure with a series of doors; 2 catch tanks and an air handler with a drain pipe to the S; The drain pipe has SV associated with discharge there	SB-H7-8131-01 through SB-H7-8131-09	SB-H7-8131-04 SB-H7-8131-06	Group B E&E materials were detected using an Expray Test Kit at sampling location SB-H7-8131-04. Sampling location SB-H7-8131-06 was determined using professional judgement. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H7-8134	1	Glaze House Scrap Shed	Temporary storage shed built of wooden and corrugated metal. No evidence of release	SB-H7-8134-01 through SB-H7-8134-04	SB-H7-8134-02 SB-H7-8134-04	Sampling location SB-H7-8134-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8134-04.		2	2											1	1			
H7-8142	1	Experimental Smokeless Office	Concrete and wood construction, steam pipes enter in rear (west). Concrete pad on N side probably for AC or electrical unit; No evidence of release	SB-H7-8142-01 through SB-H7-8142-05	SB-H7-8142-05	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-H7-8142-05		1	1											1	1	Metals	E&E	Metals (5-5E & 5-18E), E&E (5-5C & 5-18C)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H7-8143	1	Dry House	Wooden building over concrete foundation; Small air handler present at S corner; No evidence of release	SB-H7-8143-01 through SB-H7-8143-04	SB-H7-8143-04 SB-H7-8143-03	Sampling location SB-H7-8143-04 was determined using XRF screening; Results indicated a lead concentration of 595 ppm and a copper concentration of 1,095 ppm at SB-H7-8143-04. A confirmation sample was collected at SB-H7-8143-03. Analytical results did not detect elevated metal concentrations.		2	2		2	2	2							1	1	SVOCs	E&E	SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
H7-8144	1	Rest House	Rest house surrounded by magazine; Tar-like material on SE corner, black-red color and very viscous; Stressed soil area adjacent to this	SB-H7-8144-01 through SB-H7-8144-06	SB-H7-8144-05 SB-H7-8144-01	Sampling location SB-H7-8144-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8144-01.					2	2	2							1	1		E&E	E&E (5-5C & 5-18C)
H7-8145	1	Dry House	Wooden building on concrete slab. Three loading doors cover the entire N and S side of the building. No evidence of release	SB-H7-8145-01 through SB-H7-8145-04	SB-H7-8145-01 SB-H7-8145-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	E&E		E&E (5-5C & 5-18C)
H7-8146	1	Store House	Wood structure on concrete footers; Duct and electric on W side to H7-8145; No evidence of release	SB-H7-8146-01 through SB-H7-8146-04	SB-H7-8146-03 SB-H7-8146-04	Sampling location SB-H7-8146-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8146-04.		2	2											1	1			
H7-8176	1	Mix House	Building covered in earth with an earthen berm to the N; Electric and steam supplied to building; No evidence of release	SB-H7-8176-01 through SB-H7-8176-04	SB-H7-8176-01 SB-H7-8176-02	Sampling location SB-H7-8176-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8176-02.		2	2		2	2	2							1	1			
H7-8248	1	Chemical Storage	Wooden construction on wooden railroad tie foundation; Tar-like seep to rear	SB-H7-8248-01 through SB-H7-8248-04	SB-H7-8248-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1			
H7-8252	1	Solvent Storage	Wooden and corrugated sheet metal construction; Area of tar-like seep in rear	SB-H7-8252-01 through SB-H7-8252-04	SB-H7-8252-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1		SVOCs	SVOCs (5-5B & 5-18B)
H7-8255	1	Unknown Laboratory Room	Concrete and plaster construction with laboratory tables inside. No evidence of release	SB-H7-8255-01 through SB-H7-8255-04	SB-H7-8255-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H7-8282	1	Motor House	Wooden structure on concrete slaboratory that houses an electric motor. Motor has leaked oil and is reaching the ground via E door	SB-H7-8282-01 through SB-H7-8282-04	SB-H7-8282-03 SB-H7-8282-02	Sampling location SB-H7-8282-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8282-02.		2	2											1	1			
H7-9	3	Unknown	Old dilapidated concrete foundation; No evidence of release	SB-H7-9-01 through SB-H7-9-04	SB-H7-9-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1		SVOCs	SVOCs (5-5B & 5-18B)
H7-916	4	Fuel Oil Storage	Building or tanks demolished; Location determined from historical maps; No evidence of release	SB-H7-916-01 through SB-H7-916-03	SB-H7-916-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	SVOCs	VOCs	SVOCs (5-5B & 5-18B), VOCs (5-5A & 5-18A)
H8-2	3	Unknown	Building demolished, only concrete footers remain; No evidence of release	SB-H8-2-01 through SB-H8-2-05	SB-H8-2-03	Sampling location SB-H8-2-03 was determined using XRF screening; Results indicated an arsenic concentration of 159 ppm at SB-H8-2-03		1	1		1	1	1							1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
H8-8102	3	PETN Lactose Laboratory	All that remains is the foundation, the laboratory structure has been removed; No evidence of release	SB-H8-8102-01 through SB-H8-8102-05	SB-H8-8102-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1			1						1	1	Metals		Metals (5-5E & 5-18E)
H8-8177	2	Glazing House	Corrugated cylindrical metal room covered in soil; Small barrel house-sheet metal front; No evidence of release	SB-H8-8177-01 through SB-H8-8177-02	SB-H8-8177-01 SB-H8-8177-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1			
H8-8179	2	Glaze/Blend House	Corrugated cylindrical metal room covered in soil-sheet metal front Small glazing house with electrical controls for "barrel". No evidence of release	SB-H8-8179-01 through SB-H8-8179-02	SB-H8-8179-01 SB-H8-8179-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1			
H8-9221	1	Development Screen House	Brick and wooden construction with small concrete pad to rear for air handler Screen trays and shelving present inside. Green anti-static material evident; loading area on E side. No evidence of release	SB-H8-9221-01 through SB-H8-9221-05	SB-H8-9221-03 SB-H8-9221-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1		SVOCs, E&E	SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
I5-1	10	Nitrogen Laboratory Substation	Three 1.5' cylindrical transformers mounted on steel I-beams between two poles. No evidence of release	SB-I5-1-01 through SB-I5-1-03	SB-I5-1-01 SB-I5-1-02 SB-I5-1-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling				3										1	1			
I5-2	2	Bunker	Small bunker with two shelves along each side covered by soil. One electrical connection and an insulated steam pipe at front. No evidence of release	SB-I5-2-01 through SB-I5-2-02	SB-I5-2-01 SB-I5-2-02	Sampling location SB-I5-2-01 was determined using XRF screening; Results indicated a lead concentration of 1,902 ppm and a copper concentration of 701 ppm at SB-I5-2-01. Sampling location SB-I5-2-02 was determined using professional judgement			1		2	2	2							1	1	Metals		Metals (5-5E & 5-18E)
I5-3	3	Bullet Kiln	Concrete pad surrounded by an area of residual release, minor amounts of lead, bullet shells and a few bullets with propellant not detonated (area=2,000 sq ft)	SB-I5-3-01 through SB-I5-3-07	SB-I5-3-03 SB-I5-3-06	Sampling locations SB-I5-3-03/06 were determined using XRF screening; Results indicated a lead concentration of 2,155 ppm at SB-I5-3-03 and 38,680 ppm at SB-I5-3-06 and an antimony concentration of 457 ppm at SB-I5-3-06. Group B E&E materials were detected at SB-I5-3-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.			1		1	1	1							1	1	Metals		Metals (5-5E & 5-18E)
I5-4	3	Unknown	Concrete pad with macadam and aggregate area on N side Additional wood and concrete debris off edge of E corner of pad. No evidence of release	SB-I5-4-01 through SB-I5-4-03	SB-I5-4-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-5E & 5-18E)
I5-5	1	Front Face of Backstop	Soil berm with protruding rebar Metal L-shaped rebar and metal scrap at base on berm on SE end. No evidence of release	SB-I5-5-01 through SB-I5-5-04	SB-I5-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling			1											1	1	Metals		Metals (5-5E & 5-18E)
I5-7	9	Truck Spill	Area currently covered with vegetation; Minimal evidence of previous truck spill; No evidence of release (area = 2,600 sq ft)	SB-I5-7-01 through SB-I5-7-09	SB-I5-7-05 SB-I5-7-01	Sampling location SB-I5-7-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-7-01.	2	2	2											1	1			

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I5-8	3	Explosive Test Tunnel	Steel tunnel extended into the hill and now mostly filled with sand. Part of the roof has been blown off, but is still covered with dirt. No evidence of release	SB-I5-8-01 through SB-I5-8-03	SB-I5-8-01 SB-I5-8-02	Sampling location SB-I5-8-01 was determined using XRF screening; Results indicated a lead concentration of 944 ppm at SB-I5-8-01. A confirmation sample was collected at SB-I5-8-02.		2	2		2	2	2							1	1	Metals		Metals (5-5E & 5-18E)
I5-8141	3	A Range Test House	Concrete rubble, reinforcing bar, sheet metal, and 1" pipe remain where this building previously stood. No evidence of release	SB-I5-8141-01 through SB-I5-8141-05	SB-I5-8141-01 SB-I5-8141-03	Sampling location SB-I5 8141-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-8141-03.		2	2		2	2	2							1	1	Metals		Metals (5-5E & 5-18E)
I5-8168	3	Instrument House	Concrete rubble, reinforcing bar, sheet metal, and 1" pipe remain where this building previously stood. No evidence of release	SB-I5-8168-01 through SB-I5-8168-05	SB-I5-8168-02 SB-I5-8168-01	Sampling location SB-I5-8168-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-8168-01.		2	2											1	1			
I5-8169	3	Drop Test House	Building demolished, only concrete and reinforced pipe remain. No evidence of release (area=100 sq ft)	SB-I5-8169-01 through SB-I5-8169-04	SB-I5-8169-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
I5-8170	1	Nitrogen Laboratory	Concrete and corrugated metal building with wooden roof; Recorder and meter room to the W; Larger room to the E with laboratory table and rectangular object with electric box mounted on back; Asbestos insulation/lining of walls; No evidence of release	SB-I5-8170-01 through SB-I5-8170-04	SB-I5-8170-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-5E & 5-18E)
I6-1	1	Heater House	Wood and steel building with a duct from the heater house to I6-8132. No evidence of release	SB-I6-1-01 through SB-I6-1-04	SB-I6-1-04	Sampling location SB-I6-1-04 was determined using XRF screening; Results indicated an arsenic concentration of 270 ppm at SB-I6-1-04		1	1											1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
I6-11	9	Stressed Soil Area	Stressed soil area containing laboratory glassware, slag, metal debris and ceramic mesh or cloth wiring wrapping (area=400 sq ft)	SB-I6-11-01 through SB-I6-11-03	SB-I6-11-01	Sampling location SB-I6-11-01 was determined using XRF screening; Results indicated a lead concentration of 3,216 ppm and a zinc concentration of 11,080 at SB-I6-11-01		1	1										1	1	1	Metals		Metals (5-5E & 5-18E)
I6-3	1	Unknown	Very old wooden structure, probably used for storage; No evidence of release	SB-I6-3-01 through SB-I6-3-04	SB-I6-3-04 SB-I6-3-03	Sampling location SB-I6-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-3-03.		2	2		2	2	2							1	1			
I6-5	1	Ingredient Storage	Wooden structure with three bays on the E and drain pipe on NW corner (probably a steam drain). No evidence of release	SB-I6-5-01 through SB-I6-5-08	SB-I6-5-02 SB-I6-5-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	SVOCs		SVOCs (5-5B & 5-18B)
I6-8	1	Solvent Storage Shed	Wood and steel structure used to store solvents 20 gal neutralization tank and two old acid carboys remain. No evidence of release	SB-I6-8-01 through SB-I6-8-04	SB-I6-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1													1	1			
I6-8125	1,7	Research Laboratory	Wooden structure with lead floor and concrete foundation; There is a heater house and catch tank on the west side; Catch tank has a lead pipe. No evidence of release	SB-I6-8125-01 through SB-I6-8125-07	SB-I6-8125-03 SB-I6-8125-05 SB-I6-8125-07	Sampling location SB-I6-8125-03 was determined using XRF screening; Results indicated a mercury concentration of 669 ppm at SB-I6-8125-03. Sampling locations SB-I6-8125-05/07 were determined using professional judgement	3	3	3		3	3	3							1	1	Metals		Metals (5-5E & 5-18E)
I6-8132	1	Consolidated Charge Building	Old wooden structure encased within a berm with a rail loading area on the E side. Total of six doors, some doors are now covered by the berm, indicating it was added after building had been completed. No evidence of release	SB-I6-8132-01 through SB-I6-8132-10	SB-I6-8132-02 SB-I6-8132-03 SB-I6-8132-05	Sampling locations SB-I6-8132-02/03 were determined using XRF screening; Results indicated an arsenic concentration of 198 ppm at SB-I6-8132-02 and a lead concentration of 640 ppm at SB-I6-8132-03. Sampling location SB-I6-8132-05 were determined using professional judgement			2		2	2	2							1	1	Metals	E&E	Metals (5-5E & 5-18E), E&E (5-5C & 5-18C)
I6-8171	1,7	High Energy Laboratory	Concrete and wooden structure with five bays on E side. Concrete tunnel with a vent and catch tank house on NW corner. Air conditioner on a concrete pad on S side. There is a pile of scrap insulation and duct work	SB-I6-8171-01 through SB-I6-8171-09	SB-I6-8171-01 SB-I6-8171-04 SB-I6-8171-06 SB-I6-8171-07	Sampling location SB-I6-8171-07 was determined using XRF screening; Results indicated an arsenic concentration of 148 ppm at SB-I6-8171-07. Sampling locations SB-I6-8181-01/04/06 were determined using professional judgement	4	4	4		4	4	4							1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
I6-8171A	4	Chem Storage	Chemical storage associated with the High Energy Lab; Location determined from historic maps	SB-I6-8171A-01 through SB-I6-8171A-03	SB-I6-8171A-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
I6-8171C	1	Finished Product Bay	Wood and steel building located within the berm of I6-8171. No evidence of release	SB-I6-8171C-01 through SB-I6-8171C-03	SB-I6-8171C-01 SB-I6-8171C-03	Sampling location SB-I6-8171C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8171C-04.					2	2	2							1	1			
I6-8172	1	DNT Store	Concrete and wood structure with a pile of old lead flooring along the W side, building surrounded by four grounding stakes two doors on the E side and one on the west.	SB-I6-8172-01 through SB-I6-8172-07	SB-I6-8172-06	Sampling location SB-I6-8172-06 was determined using XRF screening; Results indicated an arsenic concentration of 128 ppm at SB-I6-8172-06			1		1									1	1	Metals		Metals (5-5E & 5-18E)
I6-8173	1	Store House	Concrete structure used to store explosives; No evidence of release	SB-I6-8173-01 through SB-I6-8173-05	SB-I6-8173-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-5B & 5-18B)
I6-8174	1	NG Storage Shed	Concrete building surrounded by an earthen berm; No evidence of release	SB-I6-8174-01 through SB-I6-8174-04	SB-I6-8174-02 SB-I6-8174-04	Sampling location SB-I6-8174-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8174-04.						2								1	1			
I6-8175	1	Sieve Storage House	Small wooden structure used to house sieves; No evidence of release	SB-I6-8175-01 through SB-I6-8175-04	SB-I6-8175-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
I6-8181	4	Unknown	Building has been removed, all that remains is a slightly disturbed area. Location based on historical maps and topography. No evidence of release	SB-I6-8181-01 through SB-I6-8181-03	SB-I6-8181-01 SB-I6-8181-02	Sampling location SB-I6-8181-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8181-02.		2	2		2	2	2							1	1			
I6-8183	1	AC/Heater House	Wooden structure on concrete pad. Duct and steam line to the E, entrance in the SW corner. Steam enters on W, brown stained soil from steam in NE corner.	SB-I6-8183-01 through SB-I6-8183-05	SB-I6-8183-01 SB-I6-8183-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals		Metals (5-5E & 5-18E)
I6-8184	7	Catch Tank	Small wooden structure on a concrete basin that is lead-lined. The catch tank is a lead barrel-like tank with baffles. There is a plastic pipe that exits the building to the W and ends in a field. Potential release at the drain, but no evidence of release exists.	SB-I6-8184-01 through SB-I6-8184-02	SB-I6-8184-02	Sampling location SB-I6-8184-02 was determined using XRF screening; Results indicated a lead concentration of 1,841 ppm at SB-I6-8184-02		1	1		1	1	1							1	1	Metals	E&E	Metals (5-5E & 5-18E), E&E (5-5C & 5-18C)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I6-8192	1	Storage Shed	Wood and steel structure used to store equipment; There is a floor drain on the S corner inside the building; No evidence of release	SB-I6-8192-01 through SB-I6-8192-04	SB-I6-8192-01 SB-I6-8192-03	Sampling location SB-I6-8192-03 was determined using XRF screening; Results indicated a lead concentration of 874 ppm and a zinc concentration of 4,450 ppm at SB-I6-8192-03. Sampling location SB-I6-8192-01 was determined using professional judgement		2	2											1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
I6-8263	1	Experimental Smokeless Store	Steel shed-like structure that contains glassware; No evidence of release	SB-I6-8263-01 through SB-I6-8263-04	SB-I6-8263-01 SB-I6-8263-02	Sampling location SB-I6-8263-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8263-02.					2	2	2							1	1			
I6-9	1,7	Catch Tank House	Wooden structure on concrete foundation with doors on E and W. Catch tank line from I6-8171 enters on E corner. No evidence of release	SB-I6-9-01 through SB-I6-9-06	SB-I6-9-04 SB-I6-9-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
I6-9210	1	Ballistics Magazine #4	Wooden building with corrugated sheet metal on concrete slab Wood-encased earthen berm on S side of building No evidence of release.	SB-I6-9210-01 through SB-I6-9210-04	SB-I6-9210-03 SB-I6-9210-02	Sampling location SB-I6-9210-03 was determined using XRF screening; Results indicated a lead concentration of 776 ppm and a zinc concentration of 5,500 ppm at SB-I6-9210-03. A confirmation sample was collected at SB-I6-9210-02. Analytical results did not detect elevated metal concentrations.					2	2	2							1	1	E&E		E&E (5-5C & 5-18C)
I6-9215	1	Charge Building Shed	Small wood and aluminum storage shed; No evidence of release	SB-I6-9215-01 through SB-I6-9215-04	SB-I6-9215-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-5B & 5-18B)
I6-E3	1	Explosive Waste/ Storage Shed	Wooden structure with steam pipe entering to the E; Explosive waste was stored to the N, general storage within the building. No evidence of release.	SB-I6-E3-01 through SB-I6-E3-05	SB-I6-E3-05 SB-I6-E3-04	Sampling location SB-I6-E3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-E3-04.					2	2	2							1	1		E&E	E&E (5-5C & 5-18C)
I6-E4	1	High Energy Laboratory Scrap Shed	Small steel and wood shed with a waste barrel and old powder can inside. No evidence of release.	SB-I6-E4-01 through SB-I6-E4-04	SB-I6-E4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1		1	1	1							1	1			
I7-8	3	Unknown	Building has been removed, two large concrete foundations remain. No evidence of release.	SB-I7-8-01 through SB-I7-8-05	SB-I7-8-03	Sampling location SB-I7-8-03 was determined using XRF screening; Results indicated a zinc concentration of 2,410 ppm at SB-I7-8-03			1		1	1	1							1	1	Metals		Metals (5-5E & 5-18E)
J5-4	9	Former Dynamite Test Area	Location estimated from historical maps	SB-J5-4-01 through SB-J5-4-03	SB-J5-4-02 SB-J5-4-01	Sampling location SB-J5-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J5-4-01.		2	2		2	2	2							1	1			
J5-5	3	Old Decontamination Oven	Old decontamination oven sitting on a concrete pad; Charred area around oven from decontamination efforts	SB-J5-5-01 through SB-J5-5-04	SB-J5-5-04	Sampling location SB-J5-5-04 was determined using XRF screening; Results indicated a lead concentration of 4,400 ppm at SB-J5-5-04		1	1		1	1	1							1	1	SVOCs, Metals	E&E	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B),
J6-1	9	Earthen Pit	Earthen pit dug out of the hill that may have been associated with J6-8133, but the use is unknown. No evidence of release	SB-J6-1-01 through SB-J6-1-04	SB-J6-1-04 SB-J6-1-01	Sampling location SB-J6-1-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-1-01.	2	2			2	2	2							1	1			
J6-2	1	Blower Shed	The shed has partially been dismantled on the concrete pad. Housed what is left of a blower. No evidence of release	SB-J6-2-01 through SB-J6-2-04	SB-J6-2-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J6-2-03. Analytical results did not detected elevated E&E concentrations	1	1			1	1	1							1	1	Metals		Metals (5-5E & 5-18E)
J6-2245	3	Composite Cast House	Currently all that remains is a pile of broken foundation that has been pushed S of the building. Some vegetation is sparse and may or may not be stressed.	SB-J6-2245-01 through SB-J6-2245-05	SB-J6-2245-05 SB-J6-2245-03	Sampling location SB-J6-2245-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-2245-03.	2	2			2	2	2							1	1		SVOCs	SVOCs (5-5B & 5-18B)
J6-3	3	Unknown	Two story standing building that has been thermally decontaminated SV within the footprint of the building, and there is some lead associated with the SV. Building probably associated with J6-8134	SB-J6-3-01 through SB-J6-3-04	SB-J6-3-02	Sampling location SB-J6-3-02 was determined using XRF screening; Results indicated a lead concentration of 1,939 ppm at SB-J6-3-02. Analytical results did not detect elevated metal concentrations.	1	1												1	1	SVOCs		SVOCs (5-5B & 5-18B)
J6-4	10	Electric Transformer	Old transformer on pole, it is rusted and may have released. However, there is no evidence of release.	SB-J6-4-01	SB-J6-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
J6-5	10	Electric Transformer	Small intact transformer on pole; No evidence of release	SB-J6-5-01	SB-J6-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
J6-6	3	Unknown	Very old stone foundation, all remnants of structure have been removed Old metal pipe and reinforcing bar remain, 20' S of building lies a white crystalline material (area=500 sq ft). No evidence of release within the footprint of the building	SB-J6-6-01 through SB-J6-6-05	SB-J6-6-01 SB-J6-6-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2			2	2	2							1	1			
J6-8	10	Electric Transformer	Old transformer on pole, it is leaking oil; There is a discolored area at the base of the pole	SB-J6-8-01	SB-J6-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
J6-8133	1,7	Experimental Dynamite Mix House	Old wooden building with a narrow gauge railroad on S side for loading, and four loading doors. There is a berm on the N, E, and W sides, there is a pipe through the berm to where the catch tank is estimated. No evidence of release.	SB-J6-8133-01 through SB-J6-8133-08	SB-J6-8133-01 SB-J6-8133-04 SB-J6-8133-05	Sampling location SB-J6-8132-01 was determined using XRF screening; Results indicated a lead concentration of 435 ppm at SB-J6-8132-01. Sampling location SB-J6-8133-04 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-J6-8133-05. Analytical results did not detect elevated E&E concentrations.	3	3			3	3	3							1	1	Metals	E&E, SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
J6-8134	3	Experimental Dynamite Packhouse	Thermally decontaminated structure, no sign of catch tank. There is lead on the ground probably from decontamination. Asbestos has been released from an asbestos covered water pipe; Blower house adjacent to the demolished structure.	SB-J6-8134-01 through SB-J6-8134-05	SB-J6-8134-01 SB-J6-8134-04 SB-J6-8134-05	Sampling locations SB-J6-8134-04/05 were determined using XRF screening; Results indicated a lead concentration of 502 ppm at SB-J6-8134-04 and a zinc concentration of 3,270 ppm at SB-J6-8134-05. Sampling location SB-J6-8134-01 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.	3	3			3	3	3							1	1	SVOCs		SVOCs (5-5B & 5-18B)
J6-8136	1	Bonded Store House	Small wooden building with three doors on N side and pipe (possible drain) exiting on the W side. No evidence of a release	SB-J6-8136-01 through SB-J6-8136-08	SB-J6-8136-04 SB-J6-8136-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2												1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
J6-8167	1	Heater House	Small wooden structure on concrete foundation that contains a heater and duct work to J6-8133. Several pipes exit the building to the N. No evidence of release.	SB-J6-8167-01 through SB-J6-8167-04	SB-J6-8167-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-5E & 5-18E)
J6-9	10	Electric Transformer	Small intact transformer on pole. No evidence of release	SB-J6-9-01	SB-J6-9-01	Sampling location SB-J6-9-01 was determined using XRF screening; Results indicated a lead concentration of 814 ppm at SB-J6-9-01			1	1										1	1	Metals		Metals (5-5E & 5-18E)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
J6-915	4	Experimental Dynamite Mix House Shed	Old wooden shed used for the mix house, shed has been removed and the site is now clean. There is no evidence of a release (area=100 sq ft)	SB-J6-915-01 through SB-J6-915-03	SB-J6-915-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-5E & 5-18E)
J6-9200	3	Conditioning Bay	Small aluminum and wooden structure, the rear of the building appears to have caught fire with burnt wood and molten aluminum near an air handler. No evidence of release.	SB-J6-9200-01 through SB-J6-9200-04	SB-J6-9200-02 SB-J6-9200-01	Sampling location SB-J6-9200-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-9200-01.		2	2		2	2	2							1	1			
J6-941A	1	Command Post Dynamite Test Ground	Small steel shed that was used to monitor testing of experimental dynamite. No evidence of release	SB-J6-941A-01 through SB-J6-941A-04	SB-J6-941A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-5B & 5-18B)
J6-942(A)	1	Chemical Storage Shed	Small steel shed with wooden racks inside. There is a box of some material on the floor inside. No evidence of release.	SB-J6-942A-01 through SB-J6-942A-04	SB-J6-942A-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1	SVOCs		SVOCs (5-5B & 5-18B)
J7-3	9	Former Discarded Drums	All that remains is minor amounts of metal debris in this area. Drums have been removed. No evidence of release.	SB-J7-3-01 through SB-J7-3-03	SB-J7-3-03	Sampling location SB-J7-3-03 was determined using XRF screening; Results indicated a lead concentration of 641 ppm at SB-J7-3-03		1	1											1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
K5-4	9	Earthen Pit	Earthen pit associated with K5-9213, use unknown; May be where material was excavated for the berm; No evidence of release	SB-K5-4-01 through SB-K5-4-04	SB-K5-4-01 SB-K5-4-02	Sampling location SB-K5-9213-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K5-4-02.		2	2											1	1			
K5-9213	1	Experimental Dynamite Magazine	Old wood and steel sided structure with a lead floor and protected by a berm Building was service by rail line with loading area. No evidence of release	SB-K5-9213-01 through SB-K5-9213-05	SB-K5-9213-03 SB-K5-9213-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling					2	2	2							1	1			
K6-1	9	Debris Area	Small area of drum and metal debris. Drums and metal debris removed as part of Sinlge Phase Remediation. (perimeter=500 ft.)	SB-K6-1-01 through SB-K6-1-03	SB-K6-1-01 SB-K6-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-K06-1-02.		2	2		2	2	2							1	1	SVOCs		SVOCs (5-5B & 5-18B)
K6-2	9	Earthen Pit	Earthen pit cut out of the side of the hill; Some old railroad and berm material in NW corner; No evidence of release (area=900 sq ft)	SB-K6-2-01 through SB-K6-2-04	SB-K6-2-03 SB-K6-2-02	Sampling location SB-K6-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K6-2-02.		2	2											1	1			
K6-529	3	Dry House	Square rather than rectangular dry houses as before; Only concrete footers remain; No evidence of release	SB-K6-529-01 through SB-K6-529-05	SB-K6-529-02 SB-K6-529-01	Sampling location SB-K6-529-02 was determined using XRF screening; Results indicated a lead concentration of 449 ppm at SB-K6-529-02. A confirmation sample was collected at SB-K6-529-01. Analytical results did not detect elevated metal concentrations.		2	2		2	2	2							1	1			
K6-9214	1	Store House #4	Old wooden store house on concrete foundation. Wood and earthen berm to the N, two loading doors to the W. No evidence of release.	SB-K6-9214-01 through SB-K6-9214-06	SB-K6-9214-03 SB-K6-9214-05	Sampling location SB-K6-9214-03 was determined using XRF screening; Results indicated a lead concentration of 577 ppm at SB-K6-9214-03; Sampling location SB-K6-9214-05 was determined using professional judgement			1		2	2	2							1	1	Metals		Metals (5-5E & 5-18E)
K6-9217	1	Experimental Dynamite Magazine	Old wooden structure on concrete footers with a lead floor covered with wood; Canopy and wooden berm on the W side, loading dock adjacent to the S corner. No evidence of release.	SB-K6-9217-01 through SB-K6-9217-05	SB-K6-9217-01 SB-K6-9217-05	Sampling location SB-K6-9217-01 was determined using XRF screening; Results indicated a lead concentration of 443 ppm at SB-K6-9217-01; Sampling location SB-K6-9217-05 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.			1		2	2	2							1	1		E&E	E&E (5-5C & 5-18C)
K7-8651	3	Hose House	Building has been completely removed, all that remains is a concrete footer and three small earthen piles No evidence of release (area=100 sq ft)	SB-K7-8651-01 through SB-K7-8651-03	SB-K7-8651-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		SVOCs	SVOCs (5-5B & 5-18B)
L4-4	3	Lead Smelter	Building has been destroyed. Lead in front of, and around, the former building, as well as scattered metal debris (area=900 sq ft)	SB-L4-4-01 through SB-L4-4-04	SB-L4-4-02	Sampling location SB-L4-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,518 ppm at SB-L4-4-02			1											1	1	Metals		Metals (5-5E & 5-18E)
L5-1	3	Former Dry Well	3' concrete pipe extending into the ground used to test shoot dynamite. Pipe filled in, so depth unknown	SB-L5-1-01 through SB-L5-1-02	SB-L5-1-01	Sampling location SB-L5-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,144 ppm and copper concentration of 628 ppm at SB-L5-4-02	1	1	1		1	1	1							1	1	Metals, VOCs	E&E, SVOCs	Metals (5-5E & 5-18E), VOCs (5-5A & 5-18A), E&E (5-5C & 5-18C), SVOCs (5-5B & 5-18B)
L5-10	9	Stressed Vegetation	SV area devoid of vegetation, reason unknown. Area runs down the slope into the marsh (area=2,300 sq ft)	SB-L5-10-01 through SB-L5-10-08	SB-L5-10-04 SB-L5-10-05 SB-L5-10-06	Sampling locations SB-L5-10-04/05 were determined using XRF screening; Results indicated a lead concentration of 515 ppm at SB-L5-10-04 and 1,796 ppm at SB-L5-10-05; Sampling location SB-L5-10-06 was determined using professional judgement		3	3										3	1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
L5-11	10	Electric Transformer	Intact electric transformer on telephone pole; No evidence of release	SB-L5-11-01	SB-L5-11-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
L5-2275	4	Decon Oven	Former site of decontamination oven, currently barren with pieces of scrap metal and ash (area=1,100 sq ft). Ash has moved down the back slope toward the adjacent marsh	SB-L5-2275-01 through SB-L5-2275-04	SB-L5-2275-01	Sampling location SB-L5-2275-01 was determined using XRF screening; Results indicated a lead concentration of 6,170 ppm and a mercury concentration of 276 ppm at SB-L5-2275-01		1	1		1	1	1							1	1	Metals		Metals (5-5E & 5-18E)
L5-2313	9	Can Wash Area	Building has been removed with no evidence of existence. Several can lids and stressed vegetation remain. There is a slope leading to the marsh in the W (area = 900 sq ft)	SB-L5-2313-01 through SB-L5-2313-17	SB-L5-2313-12 SB-L5-2313-17	Sampling location SB-L5-2313-17 was determined using XRF screening; Results indicated a lead concentration of 408 ppm and a zinc concentration of 1,872 ppm at SB-L5-2313-17; Sampling location SB-L5-2313-12 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.		2	2											1	1		SVOCs	SVOCs (5-5B & 5-18B)
L5-4	3	Dynamite Test Shed	Building has been nearly completely removed. Remains include a low bermed area, some old test plates, wood beams and a pulley. No evidence of release.	SB-L5-4-01 through SB-L5-4-05	SB-L5-4-02	Sampling location SB-L5-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,144 ppm and a copper concentration of 628 ppm at SB-L5-4-02		1	1		1	1	1							1	1	Metals, E&E, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B),
L5-5	5	Kerosene Tank	Wooden construction over concrete base that housed kerosene tank used at the old burning ground. Tank has been removed. No evidence of release.	SB-L5-5-01 through SB-L5-5-04	SB-L5-5-01 SB-L5-5-03	Sampling location SB-L5-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L5-5-03.	2	2												1	1	VOCs	SVOCs	VOCs (5-5A & 5-18A), SVOCs (5-18B & 5-18B)
L5-539	3	Dry House	Former building has been removed, all that remains is a berm and old scrap pipes. No evidence of release.	SB-L5-539-01 through SB-L5-539-05	SB-L5-539-03	Sampling location SB-L5-539-03 was determined using XRF screening; Results indicated a lead concentration of 962 ppm at SB-L5-539-03		1	1		1	1	1							1	1	Metals		Metals (5-5E & 5-18E)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
L5-6	9	Stressed Vegetation	Large area of SV associated with dynamite test area (area=7,600 sq ft)	SB-L5-6-01 through SB-L5-6-16	SB-L5-6-02 SB-L5-6-03 SB-L5-6-05 SB-L5-6-10	Sampling locations SB-L5-6-02/05/10 were determined using XRF screening; Results indicated a lead concentration of 756 ppm at SB-L5-6-02, a lead concentration of 1,235 ppm and a copper concentration of 773 ppm at SB-L5-6-05, and a lead concentration of 1,021 ppm at SB-L5-6-10; Group B E&E materials were detected at sampling location SB-L5-6-03		3	3		1	1	1						3	1	1	SVOCs, Metals, E&E		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
L5-7	10	Electric Transformer	Small electric transformer on top of telephone pole; Transformer looks corroded but intact; No evidence of release	SB-L5-7-01	SB-L5-7-01	Sampling location SB-L5-7-01 was determined using XRF screening; Results indicated a lead concentration of 462 ppm at SB-L5-7-01			1	1										1	1	Metals		Metals (5-5E & 5-18E)
L5-8	9	Earthen Pit	8'-10' foot deep earthen pit that may have been used as a heater house or for berm material, small metal can in pit. No evidence of release (area=1,600 sq ft)	SB-L5-8-01 through SB-L5-8-06	SB-L5-8-05	Sampling location SB-L5-8-05 was determined using XRF screening; Results indicated a lead concentration of 1,711 ppm and a copper concentration of 676 ppm at SB-L5-8-05		1	1											1	1	Metals		Metals (5-5E & 5-18E)
L5-8318	4	Dynamite Test House	No evidence of the former building; There is stressed vegetation over the whole area	SB-L5-8318-01 through SB-L5-8318-03	SB-L5-8318-02	Sampling location SB-L5-8318-02 was determined using XRF screening; Results indicated a lead concentration of 643 ppm at SB-L5-8318-02		1	1		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B),
L5-9546	1	Command Post for Old Burning Ground	Small steel building used to monitor burning activities; No evidence of release	SB-L5-9546-01 through SB-L5-9546-04	SB-L5-9546-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
L6-1	9	Debris Area and Stressed Vegetation	Dumping area along the W bank of the duck pond. Consists of general debris and wood, two drums, and many lids. S section contains large area of S.V. Soil is black and no vegetation is growing (area=7,400 sq ft)	SB-L6-1-01 through SB-L6-1-15	SB-L6-1-01 SB-L6-1-02 SB-L6-1-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		3	3										3	1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
L6-3	3	Heater House	Only small depression in the ground remains of the building that formerly housed the heater to dry house 370. No evidence of release (area=200 sq ft)	SB-L6-3-01 through SB-L6-3-03	SB-L6-3-02 SB-L6-3-01	Sampling location SB-L6-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-3-01.		2	2											1	1			
L6-370	3	Dry House	Building has been removed except for a fallen down wooden berm and the concrete foundation footers	SB-L6-370-01 through SB-L6-370-05	SB-L6-370-05 SB-L6-370-03	Sampling location SB-L6-370-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-370-03.		2	2		2	2	2							1	1	SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
L6-371	3	Dry House	Dismantled dry house, the concrete footers have been pushed over and the berm has been mostly destroyed. No evidence of release	SB-L6-371-01 through SB-L6-371-05	SB-L6-371-01 SB-L6-371-02	Sampling location SB-L6-371-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-371-02.		2	2		2	2	2							1	1	SVOCs		SVOCs (5-5B & 5-18B)
L6-4	3	Heater House	Only small depression in the ground remains of the buildings that formerly housed the heaters to dry houses. No evidence of release (area=900 sq ft)	SB-L6-4-01 through SB-L6-4-04	SB-L6-4-02 SB-L6-4-03	Sampling location SB-L6-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-4-03.		2	2											1	1			
L6-5	9	Earthen Pit	Small shallow earthen pit that may have been used as a heater house or for berm material. No evidence of release (area=500 sq ft)	SB-L6-5-01 through SB-L6-5-02	SB-L6-5-01 SB-L6-5-02	Sampling location SB-L6-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-5-02.		2	2		2	2	2							1	1			
L6-9	3	Heater House	Small earthen pit used to house the heater house for dry house K6-529. Pit is larger than previous heater house pits. No evidence of release (area=700 sq ft).	SB-L6-9-01 through SB-L6-9-04	SB-L6-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
M4-1	3	Pistol Range	50 yard pistol range, back stop is intact and overgrown; No evidence of release (area=3,700 sq ft)	SB-M4-1-01 through SB-M4-1-13	SB-M4-1-02 SB-M4-1-05 SB-M4-1-09 SB-M4-1-11 SB-M4-1-13	Sampling location SB-M4-1-13 was determined using XRF screening; Results indicated a lead concentration of 497 ppm, a copper concentration of 1,032 ppm and a zinc concentration of 1,872 ppm at SB-M4-1-13; Sampling locations SB-M4-1-02/05/09/11 were determined using professional judgement			5											1	1	Metals		Metals (5-5E & 5-18E)
M4-2	10	Electric Transformer	Small electric transformer on telephone poles; Transformer looks corroded but intact; Potential S.V. at the base of the pole	SB-M4-2-01	SB-M4-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
M5-10	6	Septic Tank	Underground septic tank; Evidence of existence is a vent pipe and a clean out pipe (one sludge sample taken during IRM effort)	TP-M5-10-01	TP-M5-10-01	Test Pit location placed downgradient from septic	1	1												1	1			
M5-11	1	Small Storage Shed	Small steel structure used to store E & E for testing; No evidence of a release	SB-M5-11-01 through SB-M5-11-04	SB-M5-11-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
M5-12	3	Former Shed	Probably used for shooting pond operations; All that remains is an old partially destroyed wooden floor No evidence of release (area=100 sq ft)	SB-M5-12-01 through SB-M5-12-03	SB-M5-12-03	Sampling location SB-M5-12-03 was determined using XRF screening; Results indicated a lead concentration of 449 ppm at SB-M5-12-03. Analytical results did not detect elevated metal concentrations.		1	1											1	1			
M5-13	1	Storage Shed	Armored storage for E & E materials for testing; Berm to N protecting the shooting pond buildings; No evidence of release	SB-M5-13-01 through SB-M5-13-04	SB-M5-13-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
M5-14	1	Storage Shed	Small wooden structure used to house blasting caps; Several hundred caps stored in plastic bags; No evidence of release	SB-M5-14-01 through SB-M5-14-04	SB-M5-14-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
M5-15	1	Storage Shed	Locked, small steel shed used to house materials for the shooting pond. No evidence of release	SB-M5-15-01 through SB-M5-15-04	SB-M5-15-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
M5-3	9	Old Burning Ground	Area used to thermally decontaminate old equipment. Debris consists of shell casings, lead pipes, wood, old process equipment and other metal fragments. Several areas of S.V. within the boundary (area=127,000 sq ft)	SB-M5-3-01 through SB-M5-3-20	SB-M5-3-01 SB-M5-3-02 SB-M5-3-04 SB-M5-3-07 SB-M5-3-11 SB-M5-3-16 SB-M5-3-17 SB-M5-3-19	Sampling locations SB-M5-3-02/04/07/11/17/19 were determined using XRF screening; Results indicated a lead concentration of 1,232 ppm, a copper concentration of 1,410 ppm and a zinc concentration of 1,240 ppm at SB-M5-3-02; a zinc concentration of 3,670 ppm at SB-M5-3-04; a lead concentration of 1,493 ppm, a copper concentration of 1,000 ppm and a zinc concentration of 13,290 ppm at SB-M5-3-07; a lead concentration of 3,820 ppm, a copper concentration of 2,090 ppm and a zinc concentration of 6,100 ppm at SB-M5-3-11; a lead concentration of 2,358 ppm, a copper concentration of 1,073 ppm and a zinc concentration of 2,470 ppm at SB-M5-3-17; a lead concentration of 1,884 ppm, a copper concentration of 694 ppm and a zinc concentration of 7,610 ppm at SB-M5-3-19; Group B E&E materials were detected at sampling locations SB-M5-3-01/02/04/16/17/19		6	6		6	6	6							1	1	E&E, SVOCs, Metals		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)

Table 2-5

Development Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
M5-8166	2	Shooting Pond House	Earthen covered building used to test explosives at shooting pond; Building has three main rooms No evidence of a release	SB-M5-8166-01 through SB-M5-8166-07	SB-M5-8166-01 SB-M5-8166-03	Sampling location SB-M5-8166-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166-03.		2	2											1	1			
M5-8166A-B-C	1	Storage Shed	Long, thin aluminum shed used to store pipes, test plates, and alcohol. No evidence of release.	SB-M5-8166A-B-C-01 through SB-M5-8166A-B-C-03	SB-M5-8166A-B-C-03 SB-M5-8166A-B-C-01	Sampling location SB-M5-8166A-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166A-01.		2	2											1	1			
M5-8166D	1	Pump House	Small aluminum and wood structure that contains electric motor and water pump that once pumped water from shooting pond in emergencies; No evidence of release	SB-M5-8166D-01 through SB-M5-8166D-04	SB-M5-8166D-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
M5-8166E	1,6	Toilet and Water Heater House	Small cinderblock structure housing shooting block toilet and water heater. Toilet discharges to a septic tank to the S. No evidence of release	SB-M5-8166E-01 through SB-M5-8166E-04	SB-M5-8166E-01 SB-M5-8166E-02	Sampling location SB-M5-8166E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166E-02.		2	2											1	1	SVOCs		SVOCs (5-5B & 5-18B)
N4-2	1	Blast Chamber	Circular dugout section of the hill covered with earth and made of thick reinforced steel Appeared to have tested explosives by shooting at them Sand piled and what looks like a blast area inside Inside metal has impact marks There may be residual explosive material	SB-N4-2-01 through SB-N4-2-03	SB-N4-2-02 SB-N4-2-01	Sampling location SB-N4-2-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N4-2-01.		2	2		2	2	2							1	1	Metals, SVOCs, E&E		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B), E&E (5-5C & 5-18C)
N4-3	9	Debris Pile	Small debris pile that contains blasting cap wires, three old drums and scrap metal	SB-N4-3-01 through SB-N4-3-03	SB-N4-3-02 SB-N4-3-03	Sampling location SB-N4-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N4-3-03.		2	2											1	1	Metals	SVOCs	Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
N5-6	9	Debris Area	Debris area containing several old drums, wood and spent blasting caps and wires (area=8,600 sq ft)	SB-N5-6-01 through SB-N5-6-17	SB-N5-6-14	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals, SVOCs		Metals (5-5E & 5-18E), SVOCs (5-5B & 5-18B)
N5-8	9	Plastic Debris Piles 1,2,3	Each pile consists of scrap plastic from detonations at shooting pond There may be residual explosives associated with debris (area=700 sq ft)	SB-N5-8-01 through SB-N5-8-06	SB-N5-8-01 SB-N5-8-03 SB-N5-8-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		3	3											1	1			

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:
AOC = Area of Concern
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
XRF = X-ray Fluorescence
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
Sq Ft = Square Foot
No. = Number

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-6

Diazo Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances
H8-1	9	Diazo Ponds	S pond's location evident due to stressed vegetation areas; N pond located from map; S pond shows dark brown to black soil staining with a red tint to staining (area=10,000 sq ft)			This AOC has been referred to the Remedial Investigation																E&E*		E&E
H8-2181	3	Diazo Plant	Bldg demolished-only concrete rubble remains; circular brick structure present (4' outside diameter) to NW corner; No evidence of release	SB-H8-2181-01 through SB-H8-2181-05	SB-H8-2181-01 SB-H8-2181-05	Sampling location SB-H08-2181-01 was determined using professional judgement Screening results did not warrant biased sampling; A confirmation sample was taken at SB-H08-2181-05		2	2		2					2		2		1	1			
H8-584	4	Can Stop Paint Shop	Bldg demolished-minimal evidence of former bldg; No evidence of release			This AOC has been referred to the Remedial Investigation																E&E*		E&E
H8-69F	4	Ingredients Store	Bldg demolished-evidence of former bldg largely removed; No evidence of release	SB-H8-69F-01 through SB-H8-69F-03	SB-H8-69F-01 SB-H8-69F-02	Sampling location SB-H8-69F-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H8-69F-02.		2	2											1	1			
H8-9121	3	Nitric Acid Storage	Bldg demolished; concrete rubble remains as indication of former tank location; No evidence of release	SB-H8-9121-01 through SB-H8-9121-04	SB-H8-9121-02 SB-H8-9121-03 SB-H8-9121-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 404 ppm at SB-H8-9121-02. A confirmation sample was taken at SB-H8-9121-04. Analytical results did not detect elevated metal concentrations.		3	3										2	1	1			
H8-9328	1	Diazo Store	Wooden and corrugated sheet metal bldg on concrete footers railroad loading on W side; storage only; No evidence of release	SB-H8-9328-01 through SB-H8-9328-07	SB-H8-9328-05 SB-H8-9328-06	Sampling locations SB-H8-9328-05/06 were determined using XRF screening; Results indicated a lead concentration of 809 ppm at SB-H8-9328-05 and 1,043 ppm at SB-H8-9328-06			2		2					2		2		1	1	Metals		Metals (5-6B & 5-19A)

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-7

Maintenance Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F10-1	3,7	Unknown Foundation	Large concrete foundation footers present within larger pad area catch tank box on NE side; multiple 6" to 8" pipes extending into ground; lead floor present formerly.	SB-F10-1-01 through SB-F10-1-07	SB-F10-1-01 SB-F10-1-04 SB-F10-1-06 SB-F10-1-07	Group B E&E materials were detected using an Expray Test Kit at SB-F10-1-01 and was analyzed for E&E only. Sample SB-F10-1-04 was determined using XRF screening. Results indicated a copper concentration of 647 ppm at SB-F10-1-04. Samples SB-F10-1-06/07 were determined using professional judgement.		3	3	3	1	1	1							1	1	Metals	E&E	Metals (5-7E & 5-20E), E&E (5-7C & 5-20C)
F10-19	7	Concrete Sumps	Three concrete sumps: one with float switch and pump, one with float switch only, one similar to PA6 wastewater pit. Oily sheen in rectangular sump	TP-F10-19-01	TP-F10-19-01	Test Pit location was taken downgradient from the sumps		1			1	1	1							1	1				
F10-20	1	Unknown Shed	Small wooden storage shed with large diameter steam piping running through it. No evidence of release	SB-F10-20-01 through SB-F10-20-04	SB-F10-20-02 SB-F10-20-03	Group B E&E materials were detected using an Expray Test Kit at SB-F10-20-03 and was analyzed for E&E only. Sample SB-F10-20-02 was determined using XRF screening. Results indicated an arsenic concentration of 835 ppm at SB-F10-20-02. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1	Metals		Metals (5-7E & 5-20E)
F10-37B	4	Unknown	Bldg demolished-evidence largely removed; bldg debris present, brick, concrete; no foundation evident. No evidence of release.	SB-F10-37B-01 through SB-F10-37B-03	SB-F10-37B-02 SB-F10-37B-03	Sampling location SB-F10-37B-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-37B-03	2	2	2											1	1				
F10-44	4	Paper Store	Bldg demolished-minimal evidence of paper store; No evidence of release	SB-F10-44-01 through SB-F10-44-05	SB-F10-44-05 SB-F10-44-04	Sampling location SB-F10-44-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-44-04		2	2											1	1	SVOCs		SVOCs (5-7B & 5-20B)
F10-8576	3	Propane Storage	Currently dilapidated area, only two concrete footers remain, other footers, tanks, and cradles removed. Old, small pump present and a "snap switch" and pressure gauges at SW side. No evidence of release	SB-F10-8576-01 through SB-F10-8576-05	SB-F10-8576-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1	1										1	1	SVOCs		SVOCs (5-7B & 5-20B)
F11-2	4	Garage	Building demolished, minimal evidence of remains. Location determined from historical maps. No evidence of release.	SB-F11-2-01 through SB-F11-2-03	SB-F11-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1	Metals		Metals (5-7E & 5-20E)
F11-2292	4	Scrap Shed	Shed demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-2292-01 through SB-F11-2292-03	SB-F11-2292-03 SB-F11-2292-02	Sampling location SB-F11-2292-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-2292-02		2	2											1	1			
F11-43	4	Ingredient Storage	Bldg demolished-minimal evidence remains; No evidence of release	SB-F11-43-01 through SB-F11-43-05	SB-F11-43-03 SB-F11-43-02	Sampling location SB-F11-43-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-43-02	2	2	2											1	1		SVOCs	SVOCs (5-7B & 5-20B)
F11-456	4	Hospital	Building demolished, minor amounts of concrete rubble present. Location determined from rubble and maps. No evidence of release	SB-F11-456-01 through SB-F11-456-05	SB-F11-456-02 SB-F11-456-01	Sampling location SB-F11-456-02 was determined using XRF screening; Results indicated a lead concentration of 582 ppm. A confirmation sample was collected at SB-F11-456-01. Analytical results did not detect elevated metal concentrations.		2	2											1	1			
F11-458	4	Fire Chief House	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-458-01 through SB-F11-458-03	SB-F11-458-02 SB-F11-458-01	Sampling location SB-F11-458-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-458-01		2	2	2										1	1	SVOCs		SVOCs (5-7B & 5-20B)
F11-6813	3	Glycerin Storage	Large concrete pad with rail mounted to wooden members; Rail runs perpendicular to major pad axis drum labeled "rosin" on concrete pad; No evidence of a release	SB-F11-6813-01 through SB-F11-6813-04	SB-F11-6813-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
F11-8113	4	Laboratory	Building demolished-minimal evidence of former laboratory. Location determined from historical maps. No evidence of release.	SB-F11-8113-01 through SB-F11-8113-03	SB-F11-8113-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 19,200 ppm at SB-F11-8113-02	1	1	1		1	1	1							1	1	Metals		Metals (5-7E & 5-20E)
F11-8227	3,6	Change House	Building demolished-minor amount of concrete rubble present at W corner. Area currently covered with gravel and macadam. Septic associated with the building. No evidence of release	SB-F11-8227-01 through SB-F11-8227-06 TP-F11-8227-07	SB-F11-8227-01 SB-F11-8227-06 TP-F11-8227-07	A septic tank was discovered during sampling. One additional screening sample SB-F11-8227-06 and analytical sample were collected. Sampling location SB-F11-8227-01 was determined using professional judgement. Test Pit location was taken downgradient from the septic.	2	3	2											2	2	Metals, VOCs, SVOCs		Metals (5-7E & 5-20E), VOCs (5-7A & 5-20A), SVOCs (5-7B & 5-20B)
F11-A2	4	Old Premix Scrap Shed	Shed demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-A2-01 through SB-F11-A2-03	SB-F11-A2-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 300 ppm at SB-F11-A2-01		1	1											1	1	Metals		Metals (5-7E & 5-20E)
F12-4	4	Wagon Shed	Building demolished, area currently covered by vegetation; Location determined from maps; No evidence of release	SB-F12-4-01 through SB-F12-4-03	SB-F12-4-03 SB-F12-4-01	Sampling location SB-F12-4-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-4-01		2	2	2										1	1			
F12-F6	4	Cotton Breaker Scrap Shed	Building demolished, area currently covered by vegetation; Location determined from maps; No evidence of release	SB-F12-F6-01 through SB-F12-F6-03	SB-F12-F6-02 SB-F12-F6-01	Sampling location SB-F12-F6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-F6-01		2	2											1	1			
G10-1	1	Transportation Office	Small wooden and corrugated sheet metal construction over concrete block foundation; steam pipe enters W corner.No evidence of release.	SB-G10-1-01 through SB-G10-1-04	SB-G10-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-7E & 5-20E)
G10-108B	3	Resin Store	Building demolished, old concrete foundation with attached rebar and 4" and 8" pipes entering the ground remain. No evidence of release.	SB-G10-108B-01 through SB-G10-108B-05	SB-G10-108B-04 SB-G10-108B-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2	2										1	1			
G10-13	1	Unknown	Wooden shed on concrete foundation with controls for Bldg. 9106. No evidence of release	SB-G10-13-01 through SB-G10-13-03	SB-G10-13-01 SB-G10-13-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G10-13-02		2	2											1	1			
G10-16	5	Air Receiver Tank	Air receiver tank with piping to Bldg. 9106. 1' x 1' area of black staining at vent pipe below N side of tank.	SB-G10-16-01 through SB-G10-16-03	SB-G10-16-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 401 ppm at G10-16-02		1	1											1	1	Metals		Metals (5-7E & 5-20E)

Table 2-7

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G10-172A	1	Ammonia Liquor Storage	Building demolished, only concrete foundation remains; No evidence of release	SB-G10-172A-01 through SB-G10-172A-04	SB-G10-172A-01 SB-G10-172A-03	Sampling location SB-G10-172A-01 was determined using XRF screening; Results indicated a lead concentration of 2,126 ppm at SB-G10-172A-01; Group B E&E materials were detected at SB-G10-172A-03 using an Expray Test Kit; An additional analytical sample was collected at SB-G10-172A-03 and analyzed for E&E only. Analytical results did not detect elevated E&E concentrations.	1	1	1		1	1	1								1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-18	1	Acid Pump Control Shed	Wooden shed on concrete foundation with controls for Bldg. 9106. No evidence of release	SB-G10-18-01 through SB-G10-18-04	SB-G10-18-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-2	5	Former Water Tanks	Tanks removed, only foundation of larger tank remains. Most areas paved over. No evidence of release	SB-G10-2-01 through SB-G10-2-04	SB-G10-2-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 401 ppm at SB-G10-2-03		1	1											1	1	Metals		Metals (5-7E & 5-20E)
G10-2008	3	Unknown	Building demolished, only two 1' x 10' footers remain. Area covered by vegetation and gravel. No evidence of release	SB-G10-2008-01 through SB-G10-2008-03	SB-G10-2008-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1	1	1	1	1							1	1	PCBs		PCBs (5-7D & 5-20D)
G10-2009	3	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-2009-01 through SB-G10-2009-03	SB-G10-2009-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-7E & 5-20E)
G10-269	3	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-269-01 through SB-G10-269-03	SB-G10-269-03 SB-G10-269-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals		Metals (5-7E & 5-20E)
G10-271	3	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-271-01 through SB-G10-271-03	SB-G10-271-01 SB-G10-271-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 458 ppm at SB-G10-271-01 A confirmation sample was collected at SB-G10-271-02		2	2											1	1	Metals		Metals (5-7E & 5-20E)
G10-3	1	Boiler	Sheet metal enclosing dual boilers that are mounted on steel beams and supported on a concrete foundation. Large stack with duct work to two boilers. Minor amount of white powder present along S end of the western boiler.	SB-G10-3-01 through SB-G10-3-04	SB-G10-3-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 628 ppm at SB-G10-3-01		1	1											1	1	Metals		Metals (5-7E & 5-20E)
G10-4	5,7	Unknown Tank	Possible air receiver tank-water present in basin. Vent to concrete catch area at SE end, vent present along piping which leads away from tank to the E. 1' diameter piping leads from tank into powerhouse. No evidence of release.	SB-G10-4-01 through SB-G10-4-06	SB-G10-4-02 SB-G10-4-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 495 ppm at SB-G10-4-02 and 1,563 ppm at SB-G10-4-05		2	2		2	2	2							1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-459	3	Boiler House	Building demolished, only concrete pad remains; Piles of burnt shotgun shells evident; No evidence of release	SB-G10-459-01 through SB-G10-459-05	SB-G10-459-05 SB-G10-459-04	Sampling location SB-G10-459-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G10-459-04		2	2											1	1			
G10-5	1	A-Line Canteen	Wooden and aluminum siding construction over concrete foundation; lounge area only. No evidence of release	SB-G10-5-01 through SB-G10-5-04	SB-G10-5-02 SB-G10-5-03	Sampling location SB-G10-5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G10-5-03		2	2	2										1	1		SVOCs	SVOCs (5-7B & 5-20B)
G10-8106	1	Millwright Shop	Brick construction over concrete foundation with rail access into building-loading doors on E/W side. Coal pit present on S side. No evidence of release	SB-G10-8106-01 through SB-G10-8106-06	SB-G10-8106-01 SB-G10-8106-02	Sampling location SB-G10-8106-01 was determined using professional judgement Group B E&E materials were detected at SB-G10-8106-02 using an Expray Test Kit Analytical results did not detect elevated SVOC concentrations	2	2	2		1	1	1						1	1	SVOCs		SVOCs (5-7B & 5-20B)
G10-8106A	1	Millwright Storage Shed	Brick storage shed with wooden racks inside; No evidence of release	SB-G10-8106A-01 through SB-G10-8106A-04	SB-G10-8106A-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 716 ppm at SB-G10-8106A-04		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8106B	1	Millwright Storage Shed	Wooden storage shed with metal racks inside-temporary storage only. No evidence of release.	SB-G10-8106B-01 through SB-G10-8106B-04	SB-G10-8106B-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,006 ppm and a copper concentration of 754 ppm at SB-G10-8106B-04		1	1											1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8106C	1	Cylinder Store House	Small concrete block building used to store oxygen and compressed gas. Empty canister storage on E side. No evidence of release	SB-G10-8106C-01 through SB-G10-8106C-04	SB-G10-8106C-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,493 ppm at SB-G10-8106C-04		1	1											1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8108	1,7	Carpenter Shop (Tin Shop on NW end)	Brick bldg built over concrete foundation; cyclone on NE side adjacent to small sheet metal and wood contaminated waste shed; sump at W corner; small heater shed at S corner. No evidence of release	SB-G10-8108-01 through SB-G10-8108-10	SB-G10-8108-06 SB-G10-8108-07 SB-G10-8108-08	Sampling locations were determined using XRF screening Results indicated a lead concentration of 431 ppm at SB-G10-8108-06, 3,090 ppm at SB-G10-8108-07, and 684 ppm at SB-G10-8108-08		3	3	3										1	1	Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
G10-8114	1	Paint Shop	Corrugated sheet metal over concrete foundation; steam pipe enters E corner; painted signs on inside. No evidence of release.	SB-G10-8114-01 through SB-G10-8114-04	SB-G10-8114-03	Sampling location was determined using XRF screening Results indicated a copper concentration of 777 ppm at SB-G10-8114-03		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8159	1,7	Solvent Storage	Wooden bldg built on concrete foundation; catch tank on NW side; loading area on W corner. No evidence of release	SB-G10-8159-01 through SB-G10-8159-06	SB-G10-8159-03 SB-G10-8159-05 SB-G10-8159-06	Sampling locations SB-G10-8159-05/06 were determined using professional judgement; XRF screening results indicated a lead concentration of 722 ppm at SB-G10-8159-03	3		3										1	1	Metals		Metals (5-7E & 5-20E)
G10-8204	1,6	Change House	Old brick change house with addition built of wood; septic tank location potentially indicated by PVC pipes along SW wall. No evidence of release	SB-G10-8204-01 through SB-G10-8204-05 TP-G10-8204-06	SB-G10-8204-02 SB-G10-8204-05 TP-G10-8204-06	Sampling locations were determined using professional judgement screening results did not warrant biased sampling Test Pit located downgradient from septic tank	1	3	3										2	2	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8213	1	Supply Storage	Concrete block, wooden and corrugated sheet metal construction. Storage only with shelving present inside. No evidence of release.	SB-G10-8213-01 through SB-G10-8213-07	SB-G10-8213-07	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,955 ppm at SB-G10-8213-07		1	1											1	1	Metals		Metals (5-7E & 5-20E)
G10-8216	9	Paint Storage Release	Area currently covered by dark black slag material	SB-G10-8216-01 through SB-G10-8216-03	SB-G10-8216-01 SB-G10-8216-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G10-8216-02		2	2	2										1	1			

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G10-8224	1,7	Laundry	Wooden construction over concrete block foundation; Sump present at SE corner, slag at S corner; No evidence of release	SB-G10-8224-01 through SB-G10-8224-04	SB-G10-8224-02 SB-G10-8224-03 SB-G10-8224-04 TP-G10-8224-05	Sampling locations were determined using professional judgement screening results did not warrant biased sampling. Test Pit placed downgradient from sump.	1	4	3		1	1	1							2	2		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8501	1	Powerhouse	Concrete foundation with brick walls; Ammonia receiver and condenser tanks just inside building; Attached air handler tank; No evidence of release	SB-G10-8501-01 through SB-G10-8501-07	SB-G10-8501-06	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		Metals		Metals (5-7E & 5-20E)
G10-8502	1,7	Boiler House	Large corrugated sheet metal/steel/wood construction on concrete foundation, with additional pad on N corner. Sump present on SE side, heat recovery system on E corner. Piping enters on N corner (Sump sampled as part of IRM effort). No evidence of release.	SB-G10-8502-01 through SB-G10-8502-07	SB-G10-8502-03 SB-G10-8502-07 TP-G10-8502-08 TP-G10-8502-09	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,066 ppm at SB-G10-8502-03 and an arsenic concentration of 963 ppm at SB-G10-8502-07. Test Pits placed downgradient from sump.		4	2		2	2	2							3	3		Metals		Metals (5-7E & 5-20E)
G10-8503	5	Ammonia Cooler Tank	4' x 12' tank posted as tested hydrostatically and covered by shed on a concrete footer, adjacent to Bldg. 8501. Outgoing brine line leads to west A-line area. No evidence of release.	SB-G10-8503-01 through SB-G10-8503-04	SB-G10-8503-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 555 ppm and a mercury concentration of 322 ppm at SB-G10-8503-03	1	1	1											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-8522	10	Dual Substations	Two fenced areas holding transformers; No evidence of release	SB-G10-8522-01 through SB-G10-8522-02	SB-G10-8522-01 SB-G10-8522-02	Sampling locations were determined using professional judgement XRF results indicated a lead concentration of 954 ppm at SB-G10-8522-02			1	2										1	1		Metals		Metals (5-7E & 5-20E)
G10-8682	1,7	Oil Pump House	Corrugated sheet metal construction over concrete foundation. Minor oil staining on concrete foundation, sump on S side	SB-G10-8682-01 through SB-G10-8682-05	SB-G10-8682-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1	1										1	1	1		PCBs	PCBs (5-7D & 5-20D)
G10-9100	4	Service Shop	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G10-9100-01 through SB-G10-9100-03	SB-G10-9100-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 440 ppm at SB-G10-9100-01		1	1											1	1		Metals		Metals (5-7E & 5-20E)
G10-9106A	4	Unknown	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G10-9106A-01 through SB-G10-9106A-03	SB-G10-9106A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1	1										1	1		PCBs		PCBs (5-7D & 5-20D)
G10-9515	1	Car Barn	Brick walls, concrete foundation with corrugated sheet metal roof. Recently constructed wooden shed at SE corner. Internal floor drains evident, dark stained area (possibly oil) evident at NW corner	SB-G10-9515-01 through SB-G10-9515-13	SB-G10-9515-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 663 ppm at SB-G10-9515-02		1	1											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G10-AAP1	8	Alcohol/Acetone Pipeline	Feed to B-Line area mixer (2188) from the maintenance area storage tanks. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected																			
G10-BRP1	8	Brine Pipeline	6" pipeline which leads from ammonia cooler tank (adjacent toPowerhouse) to 8691-NG area brine tank; possibly associated mixed acid or acid pipe which is not marked from 9106 to this AOC			Pipeline removed, no evidence of release, therefore no samples were collected																			
G10-MAP1	8	Mixed Acid Pipelines	4"acid feed line to NG (2230) Hill from nitric/sulfuric acid storage tanks. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected																			
G10-MAP2	8	Mixed Acid Pipeline	Feed to Bldg. 9106 from H11-4. No evidence of release.			Pipeline removed, no evidence of release, therefore no samples were collected																			
G10-OP1	8	Oil Pipeline	Oil pipeline from Bldg. G10-8681 to Bldg. G10-8501: soil stained dark black at flag # 3			Pipeline removed, no evidence of release, therefore no samples were collected																			
G11-1	4	Former Plant Lab	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G11-1-01 through SB-G11-1-03	SB-G11-1-01 SB-G11-1-02	Group B E&E materials were detected at SB-G11-1-01 using an Expray Test Kit A confirmation sample was collected at SB-G11-1-02 Analytical results did not detect elevated concentrations	2	2	2		2	2	2							1	1		VOCs		VOCs (5-7A & 5-20A)
G11-2017A	3	Shell House	Building demolished, foundation removed, minor evidence of building debris present. Minor area of dark discolored slag macadam. No confirmed area of release.	SB-G11-2017A-01 through SB-G11-2017A-06	SB-G11-2017A-02 SB-G11-2017A-	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2	2										1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-2017B	1	Pilot Plant	Brick construction over concrete foundation with adjacent heater house, and multiple loading areas. Waste oil/acetone labeled drums present at W corner. Stressed vegetation from heater house pipe outlet	SB-G11-2017B-01 through SB-G11-2017B-07	SB-G11-2017B-01 SB-G11-2017B-07 SB-G11-2017B-	Sampling location SB-G11-2017B-08 was collected at an area of stressed vegetation, no screening sample was collected there. Sampling location SB-G11-2017B-01 was determined using professional judgement. Sampling location SB-G11-2017B-07 was determined using XRF screening; Results indicated an arsenic concentration of 982 ppm at SB-G11-2017B-07	3	3	3		3	3	3							1	1		Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-2259	1	Dope House	Indicated as dope house storage, wooden and corrugated sheet metal construction over concrete foundation. No evidence of release.	SB-G11-2259-01 through SB-G11-2259-07	SB-G11-2259-01 SB-G11-2259-06	Sampling location SB-G11-2259-01 was determined using professional judgement; Sampling location SB-G11-2259-06 was determined using XRF screening; Results indicated an arsenic concentration of 222 ppm at SB-G11-2259-06		2	2											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-253	4	Sample Smokeless Powder Mag. #2	Remnant Building, location determined from historical maps	SB-G11-253-01 through SB-G11-253-03	SB-G11-253-03 SB-G11-253-01	Sampling location SB-G11-253-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G11-253-01					2	2	2							1	1				
G11-3	3	Drum Storage Building	Building demolished, concrete pad evident on NW, W and E sides. No evidence of release.	SB-G11-3-01 through SB-G11-3-05	SB-G11-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1		Metals		Metals (5-7E & 5-20E)
G11-4	10	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release.	SB-G11-4-01	SB-G11-4-01	Sample collected at base of former pole				1										1	1				
G11-5	5	Unknown Storage Tank	Steel AST insulation wrapped and covered in sheet metal. 6" pipe leads to S corner, currently cut off, no indication of feeds. No evidence of release.	SB-G11-5-01 through SB-G11-5-03	SB-G11-5-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,485 ppm at SB-G11-5-02	1	1	1											1	1		Metals		Metals (5-7E & 5-20E)

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G11-66	1	Drum Storage Building	Large concrete pad with imprints of rust from former drum storage. Adjacent dark stained soil area. Currently scrapped equipment storage area.	SB-G11-66-01 through SB-G11-66-06	SB-G11-66-03 SB-G11-66-05	Sampling location SB-G11-66-03 was determined using professional judgement; Sampling location SB-G11-66-05 was determined using XRF screening; Results indicated a copper concentration of 2,110 ppm at SB-G11-66-05	2	2	2											1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-8208	4	Shell House Warehouse	Building demolished, foundation and structure removed. Location determined from maps. No evidence of release.	SB-G11-8208-01 through SB-G11-8208-05	SB-G11-8208-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-7E & 5-20E)
G11-8212	3	HEOD Storage	Building demolished, foundation evidence also removed. Minor amounts of building debris present. Ends of building estimated. No evidence of release.	SB-G11-8212-01 through SB-G11-8212-05	SB-G11-8212-04	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 235 ppm at SB-G11-8212-04		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-8257	5	Oil Storage Tanks	Tanks have been removed; Area currently filled with orange sand; No reduced vegetation as observed during the recon event; No evidence of release	SB-G11-8257-01 through SB-G11-8257-06	SB-G11-8257-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1	1										1	1	Metals, PCBs	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
G11-9300/251	1,6	Records Keeping	Brick building used for storage only; Adjacent area of stressed soil; Septic associated with the building. No evidence of release	SB-G11-9300-01 through SB-G11-9300-05 TP-G11-9300A-01	SB-G11-9300-03 SB-G11-9300-05 TP-G11-9300A-01	Sampling locations were determined using XRF screening Results indicated a lead concentration of 482 ppm at SB-G11-9300-03 and 2,770 ppm at SB-G11-9300-05. Test Pit location down gradient from the septic tank.	1	3	2											2	2	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-9304	1,6	Store House	Wooden and corrugated sheet metal construction over concrete foundation with loading dock on W side. Currently misc. storage with wood flour (triacetin) stored at W end. Septic associated with the building. No evidence of release.	SB-G11-9304-01 through SB-G11-9304-05 TP-G11-9304A-01	SB-G11-9304-02 SB-G11-9304-05 TP-G11-9304A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location downgradient from septic tank	1	3	2											2	2	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-9305	1	Store House	Wooden and corrugated sheet metal construction with clay tiled walls on E and W sides and loading doors to adjacent buildings. No evidence of release.	SB-G11-9305-01 through SB-G11-9305-06	SB-G11-9305-02 SB-G11-9305-01	Sampling location SB-G11-9305-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G11-9305-01		2	2											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-9309	3	Store House	Building demolished, only concrete pad remains. Loading area at N corner. No evidence of release.	SB-G11-9309-01 through SB-G11-9309-05	SB-G11-9309-01 SB-G11-9309-05	Sampling location SB-G11-9309-05 was determined using professional judgement; Sampling location SB-G11-9309-01 was determined using XRF screening; Results indicated an arsenic concentration of 341 ppm at SB-G11-9309-01		2	2											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G11-B86	3	Chemical Ware Store	Building demolished, only old dilapidated concrete footers remain. No evidence of release (area=400 sq ft).	SB-G11-B86-01 through SB-G11-B86-04	SB-G11-B86-01 SB-G11-B86-03	Sampling location SB-G11-B86-01 was determined using professional judgement; Sampling location SB-G11-B86-03 was determined using XRF screening; Results indicated an arsenic concentration of 487 ppm at SB-G11-B86-03		2	2	2										1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G12-12	4	Granary	Remnant Building, location determined from historical maps	SB-G12-12-01 through SB-G12-12-03	SB-G12-12-01 SB-G12-12-03	Sampling location SB-G12-12-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-12-03		2	2											1	1			
G12-252	4	Sample Smokeless Powder Mag. #1	Remnant Building, location determined from historical maps	SB-G12-252-01 through SB-G12-252-03	SB-G12-252-03 SB-G12-252-02	Sampling location SB-G12-252-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-252-02					2	2	2							1	1		E&E	E&E (5-7C & 5-20C)
G12-6	3	Unknown Concrete Pad	Small concrete pad with wooden box mounted on top; No evidence of release	SB-G12-6-01 through SB-G12-6-04	SB-G12-6-04 SB-G12-6-03	Sampling location SB-G12-6-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-6-03		2	2		2	2	2							1	1			
G12-7	10	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release	SB-G12-7-01	SB-G12-7-01	Sample collected at base of pole, transformer has been removed XRF results indicated an arsenic concentration of 175 ppm An additional metals sample needs to be taken at this AOC Analytical results did not detect elevted metal concentrations				1										1	1			
G12-775	1	TNT Laundry	Remnant Building, location determined from historical maps	SB-G12-775-01 through SB-G12-775-03	SB-G12-775-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G12-8109	4	Transportation Office	Building demolished, area currently largely vegetated. Location determined from maps. No evidence of release.	SB-G12-8109-01 through SB-G12-8109-03	SB-G12-8109-02 SB-G12-8109-01	Sampling location SB-G12-8109-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-8109-01		2	2											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G12-8203	1	Equipment Shed	Wooden and corrugated sheet metal construction over concrete foundation with garage doors facing street, and loading doors on N and E corners. Currently used for tractor storage. No evidence of release.	SB-G12-8203-01 through SB-G12-8203-06	SB-G12-8203-01 SB-G12-8203-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1			
G8-A12	3	Scrap Shed	Bldg demolished; minimal evidence of former shed; wood chips present at former foundation location. No evidence of release	SB-G8-A12-01 through SB-G8-A12-05	SB-G8-A12-05 SB-G8-A12-01	Sampling location SB-G8-A12-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-A12-02		2	2											1	1			
G9-1	5-Jan	Diesel Fuel Storage Tank	Demolished-tank and former cradle removed; largely vegetated; No evidence of release	SB-G9-1-01 through SB-G9-1-03	SB-G9-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1			
G9-15	3	Locomotive House	Bldg demolished- all evidence of locomotive house largely removed; machine oil between G10-4 and G10-37B; some dark colored soil present due to staining or organic activity-source unknown; No evidence of release	SB-G9-15-01 through SB-G9-15-03	SB-G9-15-01 SB-G9-15-02	Sampling location SB-G9-15-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-15-02		2	2											1	1	Metals		Metals (5-7E & 5-20E)
G9-2	1	Scrap Shed	Two story wooden shed built on concrete foundation, recently constructed; steel I-beam connects to rear of machine shop. white powdery material present at N corner.	SB-G9-2-01 through SB-G9-2-05	SB-G9-2-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 408 ppm and a copper concentration of 3,600 ppm at SB-G09-2-03		1	1	1										1	1	Metals, PCBs	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)

Table 2-7

Maintenance Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
G9-8105	1,8	Machine Shop	Brick shop built on concrete foundation; concrete gutter along SE side. No evidence of release.	SB-G9-8105-01 through SB-G9-8105-07	SB-G9-8105-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 488 ppm at SB-G09-8105-05 Analytical results did not detect elevated metal concentrations.	1	1	1											1	1			
G9-8107	1	Pipe/Scale Shop	Concrete block bldg with asphalt roof; two loading areas on NW side rail line along NW side; shop only. No evidence of release.	SB-G9-8107-01 through SB-G9-8107-06	SB-G9-8107-02 SB-G9-8107-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 548 ppm at SB-G09-8107-02 and 541 ppm at SB-G09-8107-05 and an arsenic concentration of 317 ppm at SB-G09-8107-02 and 279 ppm at SB-G09-8107 -05		2	2										1	1	Metals		Metals (5-7E & 5-20E)
G9-8182	1	Carpenter Shop	Small wooden carpenter shop with attached storage area; loading doors on SE/NW sides. No evidence of release	SB-G9-8182-01 through SB-G9-8182-06	SB-G9-8182-01 SB-G9-8182-05	Sampling location SB-G09-8182-05 was determined using professional judgement XRF screening results indicated a copper concentration of 2,180 ppm and a lead concentration of 675 ppm at SB-G09-8182-01		2	2										1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G9-8187	3	Unknown	Bldg demolished-evidence largely removed; area of reduced vegetation. No evidence of release	SB-G9-8187-01 through SB-G9-8187-05	SB-G9-8187-01 SB-G9-8187-02	Sampling location SB-G9-8187-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-8187-02		2	2		2	2	2						1	1		SVOCs	SVOCs (5-7B & 5-20B)
G9-8205	3	Electrical Shop	Only concrete footer remains along SE and portion of SW side; bldg demolished; sign for former bldg present.No evidence of release.	SB-G9-8205-01 through SB-G9-8205-05	SB-G9-8205-05 SB-G9-8205-02	Sampling location SB-G9-8205-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-8205-02		2	2	2									1	1			
G9-8207	1	Oil Storage Bldg	Concrete block with wooden front doors, corrugated sheet metal roof and concrete foundation; steam pipe enters front vent at rear with minor area of stressed vegetation from steam vent.	SB-G9-8207-01 through SB-G9-8207-05	SB-G9-8207-04 SB-G9-8207-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2											1	1	VOCs	SVOCs	VOCs (5-7A & 5-20A), SVOCs (5-7B & 5-20B)
G9-8267	1	Lumber/Lead Storage	Wooden storage shed with multiple bays for storage and shed on NW side; lead not evident. No evidence of release.	SB-G9-8267-01 through SB-G9-8267-06	SB-G9-8267-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 884 ppm at SB-G09-8267-04		1	1										1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
G9-9321	1	Spare Parts Store	Wooden and corrugated sheet metal construction over 1 'x 1' concrete footers; storage only. No evidence of release.	SB-G9-9321-01 through SB-G9-9321-08	SB-G9-9321-02 SB-G9-9321-08	Sampling location SB-G09-9321-08 was determined using professional judgement; XRF screening results indicated a lead concentration of 444 ppm at SB-G09-9321-02. Analytical results did not detect elevated metal concentrations.		2	2										1	1		SVOCs	SVOCs (5-7B & 5-20B)
H10-1	5	Storage Tank	Concrete block containment structure, storage tank removed. No evidence of release.		SB-H10-1-02	This AOC is located on H10-10, a concrete pad. It has been combined with H10-10		1	1	1	1	1	1						1	1			
H10-10	3	Unknown Foundation	Large concrete pad with screen burner H10-2260 and H10-1 constructed on top. Currently fiber insulation pile at S corner. Piles of molten lead present on foundation.	SB-H10-10-01 through SB-H10-10-08	SB-H10-10-02 SB-H10-10-06 SB-H10-10-07	Sampling locations SB-H10-10-06/07 were determined using professional judgement; Sampling location SB-H10-10-02 was determined using XRF screening; Results indicated a lead concentration of 496 ppm at SB-H10-10-02		3	2	1	1	1	1						1	1	Metals, SVOCs, E&E, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C), PCBs (5-7D & 5-20D)
H10-11	3	Acid Mix Equipment	Building demolished, concrete foundation evident but significantly dilapidated. No evidence of release	SB-H10-11-01 through SB-H10-11-05	SB-H10-11-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 552 ppm at SB-H10-11-05	1	1	1										1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-12	5	S.A. Store Tank	Building demolished, only concrete in NE edge remains; No evidence of release	SB-H10-12-01 through SB-H10-12-03	SB-H10-12-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,588 ppm at SB-H10-12-01	1	1	1										1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-13	4	Bag Store	Building demolished, minor amounts of concrete and brick remain. Location determined from historical maps. No evidence of release, however adjacent area of SV present.	SB-H10-13-01 through SB-H10-13-03	TP-H10-13-01 TP-H10-13-03	This AOC was located under asphalt. Test Pits were dug to collect samples. Screening results did not warrant biased sampling.		2	2										1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-14	3	Unknown	Building demolished, remains of a concrete footer outline site. Adjacent area of stressed vegetation (slag present).	SB-H10-14-01 through SB-H10-14-05	SB-H10-14-01 SB-H10-14-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 6,300 ppm at SB-H10-14-01 and a concentration of 4,460 at SB-H10-14-02		2	2		2	2	2						1	1	Metals, SVOCs, E&E		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C)
H10-154B	4	Dry Bag Store	Building demolished, minimal evidence remains; Location determined from historical maps; No evidence of release	SB-H10-154B-01 through SB-H10-154B-03	SB-H10-154B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1	1									1	1	Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
H10-16	3	Unknown Concrete Footer	Small rectangular concrete footer; 2' x 2' piece of lead present	SB-H10-16-01 through SB-H10-16-04	SB-H10-16-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,920 ppm at SB-H10-16-02		1	1		1	1	1						1	1	Metals	E&E, SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C)
H10-17	3	Unknown	Small rectangular concrete footer; 2' x 2' piece of lead present	SB-H10-17-01 through SB-H10-17-03	SB-H10-17-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1											1	1	PCBs		PCBs (5-7D & 5-20D)
H10-2003	4	Spent Acid Tower	Building demolished, concrete foundation evident but significantly dilapidated. Location determined from foundation and maps. No evidence of release.	SB-H10-2003-01 through SB-H10-2003-05	SB-H10-2003-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 7,760 ppm at SB-H10-2003-01	1	1	1										1	1	Metals		Metals (5-7E & 5-20E)
H10-2092/ 2002	5	Spent Acid Recovery Tanks	Building demolished, evidence of foundations removed. Location determined from maps. No evidence of release.	SB-H10-2092-01 through SB-H10-2092-05	SB-H10-2092-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,087 ppm at SB-H10-2092-03	1	1	1		1	1	1					1	1	1	Metals		Metals (5-7E & 5-20E)
H10-2260	1	Screen Burner	Sheet metal construction with minor rust and black staining along bottom of sheet metal walls. Small heater unit on SW corner. No evidence of release.			This AOC is located on H10-10, a concrete pad. It has been combined with H10-10																			
H10-262	4	Nitric Acid House	Remnant Building, location determined from historical maps	SB-H10-262-01 through SB-H10-262-03	SB-H10-262-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 549 ppm at SB-H10-262-02	1	1	1	1								1	1	1	Metals, PCBs	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)

Table 2-7

Maintenance Area Sampling Plan
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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H10-267	4	Absorption Tower	Remnant Building, location determined from historical maps	SB-H10-267-01 through SB-H10-267-03	SB-H10-267-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,577 ppm at SB-H10-267-01	1	1	1										1	1	1		Metals		Metals (5-7E & 5-20E)
H10-269	4	Unknown	Building demolished, largely vegetated area. Location determined from maps. No evidence of release.	SB-H10-269-01 through SB-H10-269-03	SB-H10-269-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 241 ppm at SB-H10-269-03		1	1		1	1	1							1	1		Metals		Metals (5-7E & 5-20E)
H10-502	4	Nitric Acid Recovery Area	Remnant Building, location determined from historical maps	SB-H10-502-01 through SB-H10-502-03	SB-H10-502-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 603 ppm at SB-H10-502-01	1	1	1										1	1	1		Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-503	4	Sulfuric Acid Recovery	Remnant Building, location determined from historical maps	SB-H10-503-01 through SB-H10-503-03	SB-H10-503-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,762 ppm at SB-H10-503-02	1	1	1										1	1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-68	4	Spent Acid Recovery	Building demolished, evidence of building largely removed. Location determined from maps. Area covered by boiler slag, area to the E of ceramic debris and slag.	SB-H10-68-01 through SB-H10-68-03	SB-H10-68-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 871 ppm at SB-H10-68-03	1	1	1	1	1	1							1	1	1		Metals	E&E, SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C)
H10-8225	4	Unknown	Concrete pad evident at NW corner only, the rest is covered in gravel. Location confirmed from historical maps. No evidence of release.	SB-H10-8225-01 through SB-H10-8225-03	SB-H10-8225-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 459 ppm at SB-H10-8225-03		1	1		1	1	1							1	1		Metals		Metals (5-7E & 5-20E)
H10-8264	4	Old Soda House	Building demolished, minimal concrete and building debris present. Location determined from maps. No evidence of release.	SB-H10-8264-01 through SB-H10-8264-04	SB-H10-8264-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 420 ppm at SB-H10-8264-01		1	1											1	1		Metals		Metals (5-7E & 5-20E)
H10-9000	3	Unknown	Building demolished, only two 1' x 6' footers remain; No evidence of release	SB-H10-9000-01 through SB-H10-9000-03	SB-H10-9000-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 547 ppm at SB-H10-9000-01		1	1		1	1	1							1	1		Metals, SVOCs	E&E	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C)
H10-9001	4	Unknown	Building demolished, evidence of former concrete footer present. Location determined from maps. No evidence of release.	SB-H10-9001-01 through SB-H10-9001-03	SB-H10-9001-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 532 ppm at SB-H10-9001-03		1	1		1	1	1							1	1		Metals, SVOCs	E&E	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B), E&E (5-7C & 5-20C)
H10-9002	5	Oil Storage	Storage area demolished, former storage tanks and support removed. Adjacent area contains tan-brown sandy soil fill evidence where cleanup occurred. No current evidence of release.	SB-H10-9002-01 through SB-H10-9002-05	SB-H10-9002-01 SB-H10-9002-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 888 ppm at SB-H10-9002-01 and a copper concentration of 1,305 ppm at SB-H10-9002-02	2	2	2	2									1	1		Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
H10-9101	5	Nitric Acid Storage Tanks	Building demolished, only concrete footer outline locations remain. No evidence of release.	SB-H10-9101-01 through SB-H10-9101-05	SB-H10-9101-03 SB-H10-9101-02	Sampling location SB-H10-9101-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H10-9101-02	2	2	2										1	1				
H10-9102	5	Tank	Tank removed, minor evidence of former concrete foundation. Area largely vegetated. No evidence of release.	SB-H10-9102-01 through SB-H10-9102-03	SB-H10-9102-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1											1	1				
H10-9103	5,7,8	Sulfuric Acid Store Tank	Concrete containment around steel tank (one tank removed). Floor drain in N corner, concrete gutter at SW side, brick basin at SW side. No evidence of release.	SB-H10-9103-01 through SB-H10-9103-06	SB-H10-9103-01 SB-H10-9103-03 SB-H10-9103-04	Sampling location SB-H10-9103-01 was determined using professional judgement; Sampling locations SB-H10-9103-03/04 were determined using XRF screening; Results indicated a lead concentration of 1,308 ppm at SB-H10-9103-03 and 605 ppm at SB-H10-9103-04	3	3	3									3	1	1		Metals, SVOCs	VOCs	Metals (5-7E & 5-20E), VOCs (5-7A & 5-20A), SVOCs (5-7B & 5-20B)
H10-9104	5,7	Nitric Acid Store Tank	Concrete containment basin for fuel storage, tank has been removed, No. 2 fuel oil tank is currently stored in basin. No evidence of release.	SB-H10-9104-01 through SB-H10-9104-04	SB-H10-9104-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,086 ppm at SB-H10-9104-02	1	1	1									1	1	1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-9308	1	Sodium Nitrate Store	Concrete block walls to 6' elevation, then steel and wood construction. Currently white material stored inside, possibly rock salt. No evidence of release.	SB-H10-9308-01 through SB-H10-9308-06	SB-H10-9308-02 SB-H10-9308-03	Sampling location SB-H10-9308-02 was determined using XRF screening; Results indicated a lead concentration of 555 ppm. A confirmation sample was colllected at SB-H10-9308-03		2	2	2									1	1		Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
H10-9320	1	Can Paint House	Large concrete pad with sheet metal building on SW third of pad. Currently used for equipment storage. No evidence of a release.	SB-H10-9320-01 through SB-H10-9320-04	SB-H10-9320-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 715 ppm at SB-H10-9320-03		1	1										1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H10-MAP3	8	Mixed Acid Pipeline	Acid pipeline which connects H10-9103 and G10-9100; nitric acid line ended at N corner of 9103 but may continue on; not evident. No evidence of release.			Pipeline removed, no evidence of release, therefore no samples were collected																			
H11-1	9	Former Burning Ground	Currently largely vegetated area with dark soil present towards E corner. No evidence of release (area=16,000 sq ft).			This AOC has been referred to the Remedial Investigation																	E&E*		E&E (5-7C & 5-20C)
H11-10	5	Tanks	Tanks demolished, rubble and building debris evident; Location determined from maps; No evidence of release	SB-H11-10-01 through SB-H11-10-03	SB-H11-10-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1											1	1				
H11-12	10	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release.	SB-H11-12-01	SB-H11-12-01	Sample taken at site of former transformer				1									1	1				
H11-2	3	Unknown	Building demolished, concrete pad remains; Largely vegetated area, however extent of building evident No evidence of release	SB-H11-2-01 through SB-H11-2-04	SB-H11-2-02 SB-H11-2-03	Sampling location SB-H11-2-02 was determined using XRF screening Results indicated a lead concentration of 1,010 ppm. A confirmation sample was collected at SB-H11-2-03. Analytical results did not detect elevated metal concentrations.		2	2		2	2	2						1	1				
H11-2295	4	Cotton House/ Paint House	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H11-2295-01 through SB-H11-2295-03	SB-H11-2295-02 SB-H11-2295-01	Sampling location SB-H11-2295-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-2295-01		2	2										1	1				

Table 2-7

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H11-2319	3	Drum Storage Pad	Concrete pad with 8" high walls for containment. Posted as former storage of petroleum contaminated soil and waste oil. No evidence of release.	SB-H11-2319-01 through SB-H11-2319-05	SB-H11-2319-04 SB-H11-2319-02	Sampling location SB-H11-2319-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-2319-02	2	2	2											1	1		Metals		Metals (5-7E & 5-20E)
H11-3	5	Mixed Acid Storage Tank	All tanks and equipment removed, footers show where tanks were. Location determined from maps. No evidence of release.	SB-H11-3-01 through SB-H11-3-06	SB-H11-3-02 SB-H11-3-03	Sampling location SB-H11-3-02 was determined using XRF screening Results indicated a lead concentration of 581 ppm. A confirmation sample was collected at SB-H11-3-03	2	2	2										2	1	1		Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-4	9	Acid Unloading Area Release	Area currently vegetated and gravel covered, adjacent to eyewash station. Connections and piping to 9106 present. No evidence of release.	SB-H11-4-01 through SB-H11-4-03	SB-H11-4-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,435 ppm at SB-H11-4-03	1	1	1	1									1	1	1		Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
H11-510	4	Temp. Soda Storage	Remnant Building, location determined from historical maps	SB-H11-510-01 through SB-H11-510-03	SB-H11-510-03 SB-H11-510-01	Sampling location SB-H11-510-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-510-01		2	2											1	1				
H11-6	3	Unknown	Concrete pad partially covered by macadam-paved road to Bldg. 9336. No evidence of release.	SB-H11-6-01 through SB-H11-6-04	SB-H11-6-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 256 ppm at SB-H11-6-01		1	1		1	1	1							1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-696	3	Unknown	Building demolished, concrete pad remains. Largely vegetated area, brick building debris and slag from rail line present. No evidence of release.	SB-H11-696-01 through SB-H11-696-03	SB-H11-696-01 SB-H11-696-02	Group B E&E materials were detected at SB-H11-696-01 using an Expray Test Kit A confirmation sample was collected at SB-H11-696-02 Analytical results did not detect elevated E&E concentrations		2	2		1	1	1							1	1				
H11-697	3	Unknown	Building demolished, concrete pad remains. Largely vegetated area, brick building debris and slag from rail line present. No evidence of release.	SB-H11-697-01 through SB-H11-697-04	SB-H11-697-01 SB-H11-697-02	Sampling location SB-H11-697-01 was determined using XRF screening; Results indicated an arsenic concentration of 256 ppm. A confirmation sample was collected at SB-H11-697-02. Analytical results did not detect elevated metal concentrations.		2	2		2	2	2							1	1				
H11-757	4	Unknown	Area largely vegetated, building destroyed, foundation not evident. Location determined from maps. No evidence of release.	SB-H11-9312-01 through SB-H11-9312-06	SB-H11-9312-02 SB-H11-9312-04	This AOC was sampled as part of H11-9312. NFA/FA Justification and exceedances based on samples collected from H11-9312.		2	2											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-761	4	Unknown	Building demolished, concrete debris present; Location determined from maps; No evidence of release	SB-H11-761-01 through SB-H11-761-04	SB-H11-761-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 814 ppm at SB-H11-761-03		1	1		1	1	1							1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-762	3	Unknown	Building demolished, only concrete pad remains; No evidence of release	SB-H11-762-01 through SB-H11-762-03	SB-H11-762-03 SB-H11-762-02	Sampling location SB-H11-762-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-762-02		2	2	1	2	2	2							1	1				
H11-763	4	Unknown	Building demolished, minimal evidence of former building. Location determined from maps. No evidence of release.	SB-H11-763-01 through SB-H11-763-03	SB-H11-763-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 552 ppm at SB-H11-763-03 Analytical results did not detect elevated metal concentrations		1	1		1	1	1							1	1		SVOCs		SVOCs (5-7B & 5-20B)
H11-8	5	Unknown Tank	Dilapidated steel tank with significant rust present. Extends 3' above ground surface and to an unknown depth. Two reinforcing steel I-beams present inside. Slag present surrounding and on W side.	SB-H11-8-01 through SB-H11-8-02	SB-H11-8-01 SB-H11-8-02	Sampling location was determined using professional judgement XRF results indicated a lead concentration of 419 ppm at SB-H11-8-01 Professional judgement used in determining SB-H11-8-02.	2	2	1											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-9	5	Cooling Reservoir	Concrete foundation remains; Largely vegetated, however concrete walls evident; No evidence of release	SB-H11-9-01 through SB-H11-9-04	SB-H11-9-02 SB-H11-9-04	Sampling location SB-H11-9-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-9-04		2	2											1	1		Metals		Metals (5-7E & 5-20E)
H11-9307	4	Ingredient Store	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H11-9307-01 through SB-H11-9307-03	SB-H11-9307-02 SB-H11-9307-01	Sampling location SB-H11-9307-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-9307-01		2	2	2										1	1				
H11-9310	4	Shook Storage	Building demolished, area paved somewhat and gravel covered, also significant vegetation present. Location determined from maps. No evidence of release	SB-H11-9310-01 through SB-H11-9310-03	SB-H11-9310-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		Metals		Metals (5-7E & 5-20E)
H11-9312	1	Box Storage	Corrugated sheet metal/wooden storage building. Loading areas at NE and SE corners. No evidence of release.	SB-H11-9312-01 through SB-H11-9312-06	SB-H11-9312-02 SB-H11-9312-04	Sampling location SB-H11-9312-04 was determined using professional judgement; Sampling locations SB-H11-9312-02 was determined using XRF screening; Results indicated a lead concentration of 598 ppm at SB-H11-9312-02		2	2											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-9313	1	Shook Storage	Corrugated sheet metal/wooden storage building on concrete pad. Loading areas at NW and SW corners. Adjacent debris area expected to be second building (rail line runs through debris area). No evidence of release.	SB-H11-9313-01 through SB-H11-9313-06	SB-H11-9313-02 SB-H11-9313-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1		Metals		Metals (5-7E & 5-20E)
H11-9335	1	Warehouse	Corrugated sheet metal and wood structure built on concrete foundation. Heater pad on SW side. Stressed vegetation with iron staining present.	SB-H11-9335-01 through SB-H11-9335-07	SB-H11-9335-05 SB-H11-9335-06	Sampling locations were determined using XRF screening Results indicated a copper concentration of 1,012 ppm at SB-H11-9335-05 and an arsenic concentration of 287 ppm at SB-H11-9335-06		2	2											1	1		Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H11-9336	1	General Warehouse	Sheet metal construction with wooden walls on concrete footers. Heater unit on E side with steam pipe vent and a small area of stressed vegetation below. No evidence of release.	SB-H11-9336-01 through SB-H11-9336-07	SB-H11-9336-01 SB-H11-9336-02	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 278 ppm at SB-H11-9336-01 and 1,310 ppm at SB-H11-9336-02		2	2	2										1	1		Metals, SVOCs, PCBs		Metals (5-7E & 5-20E), SVOCs (5-7B % 5-20B), PCBs (5-7D & 5-20D)
H12-2	4	Soda Dry House #6	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-2-01 through SB-H12-2-03	SB-H12-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		SVOCs		SVOCs (5-7B & 5-20B)
H12-3	4	Baled Bag Store #9	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-3-01 through SB-H12-3-03	SB-H12-3-01 SB-H12-3-02	Sampling location SB-H12-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-3-02		2	2											1	1				

Table 2-7

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H12-4	4	Baled Bag Store #10	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-4-01 through SB-H12-4-03	SB-H12-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
H12-5	4	Pulp and Sawdust Store #4	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-5-01 through SB-H12-5-03	SB-H12-5-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
H12-689	4	Nut Shell Grinder	Building demolished, structure and foundation not evident; Location determined from maps; No evidence of release	SB-H12-689-01 through SB-H12-689-03	SB-H12-689-03 SB-H12-689-01	Sampling location SB-H12-689-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-689-01		2	2	2										1	1			
H12-8563	4	Chlorinator House #2	Building demolished, area currently covered with gravel; Location determined from maps; No evidence of release	SB-H12-8563-01 through SB-H12-8563-03	SB-H12-8563-03 SB-H12-8563-01	Sampling location SB-H12-8563-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-8563-01	2	2	2										2	1	1		SVOCs	SVOCs (5-7B & 5-20B)
H12-8607	1	Water Treatment Building	Concrete block pad with three pipes entering the ground; No evidence of release	SB-H12-8607-01 through SB-H12-8607-04	SB-H12-8607-04 SB-H12-8607-01	Sampling location SB-H12-8607-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-8607-01	2	2	2											1	1			
H13-408	4	Unknown	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H13-408-01 through SB-H13-408-03	SB-H13-408-02 SB-H13-408-03	Sampling location SB-H13-408-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H13-408-03		2	2		2	2	2							1	1	Metals	SVOCs	Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H13-5	10	Electric Transformer	Gray colored with minor rust staining; No evidence of release	SB-H13-5-01	SB-H13-5-01	Sample collected at base of pole				1										1	1			
H13-8158A	7	Unknown Pit	Posted as a confined space, possibly a wastewater pit; Concrete block sump with asphalt and shingle roof; No evidence of release	TP-H13-8158A-01	TP-H13-8158A-01	Test Pit location placed downgradient of the sump.		1			1	1	1							1	1			
H13-9329	4	Pulp Dry House	Building demolished, no evidence of former building, foundation removed. Building debris present, end of rail evident. Location determined from maps. No evidence of release.	SB-H13-9329-01 through SB-H13-9329-03	SB-H13-9329-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-7E & 5-20E)
H8-585	3	Chemical Storage	Bldg demolished-concrete rubble present; No evidence of release	SB-H8-585-01 through SB-H8-585-03	SB-H8-585-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 436 ppm at SB-H08-585-01	1	1	1											1	1	Metals		Metals (5-7E & 5-20E)
H8-69E	3	Ingredient Storage	Bldg demolished-evidence of former store house largely removed. No evidence of release.	SB-H8-69E-01 through SB-H8-69E-03	SB-H8-69E-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1	1										1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H8-8262	9	Corporation Yard	Area cleared;discolored soil present in NE; No evidence of release	SB-H8-8262-01 through SB-H8-8262-03	SB-H8-8262-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals, SVOCs		Metals (5-7E & 5-20E), SVOCs (5-7B & 5-20B)
H8-9226	3	Break Room	Bldg demolished; area largely vegetated and grass covered; No evidence of release	SB-H8-9226-01 through SB-H8-9226-03	SB-H8-9226-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-7B & 5-20B)
H9-1	5	Former Tank Field	Currently a pine forest, some evidence of what appears to be concrete associated with four cradles. No evidence of release.	SB-H9-1-01 through SB-H9-1-08	SB-H9-1-03 SB-H9-1-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2												1	1			
H9-10	9	Former Pond	Saturated area with tall grass, currently no stressed vegetation. Location determined from maps. No evidence of release (area=1,400 sq ft).	SB-H9-10-01 through SB-H9-10-05	SB-H9-10-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1	1	1	SVOCs		SVOCs (5-7B & 5-20B)
H9-2261	1	Unknown	Wooden construction over concrete foundation; AC unit on W corner; probably an office bldg.; No evidence of release	SB-H9-2261-01 through SB-H9-2261-04	SB-H9-2261-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 433 ppm at SB-H09-2261-04		1	1	1	1	1	1							1	1	Metals, E&E		Metals (5-7E & 5-20E), E&E (5-7C & 5-20C)
H9-3	3	Unknown	Building demolished, some concrete block present. S edge of building has line of stressed vegetation (area=700 sq ft)	SB-H9-3-01 through SB-H9-3-04	SB-H9-3-01 SB-H9-3-03	Sampling location SB-H9-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H9-3-03		2	2		2	2	2							1	1			
H9-8155	4	Engineering Office	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H9-8155-01 through SB-H9-8155-03	SB-H9-8155-02 SB-H9-8155-01	Sampling location SB-H9-8155-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H9-8155-01		2	2											1	1		SVOCs	SVOCs (5-7B & 5-20B)
H9-8238	3,6	Maintenance Office	Building demolished, area of reduced vegetation indicates location. Location determined from maps. Septic tank vent pipe apparent (one sludge sample taken during IRM effort). No evidence of release.	SB-H9-8238-01 through SB-H9-8238-03 TP-H9-8238-04	SB-H9-8238-01 SB-H9-8238-02 SB-H9-8238-03 TP-H9-8238-04	Sampling location was determined using professional judgement screening results did not warrant biased sampling	1	4	3											2	2	Metals		Metals (5-7E & 5-20E)

Table 2-7

Maintenance Area Sampling Plan
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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	TPH	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I11-9117	5	Ammonia Storage Tanks	Tanks and cradles removed, area now covered with vegetation. Location determined from maps. No evidence of release.	SB-I11-9117-01 through SB-I11-9117-06	SB-I11-9117-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1		Metals		Metals (5-7E & 5-20E)

Notes:

All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector

TOC and GRAIN SIZE collected at each AOC

All screening samples were evaluated for VOCs, Metals, and E&E compounds
Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
J11-B25	4	Unknown	Only aggregate remains at former location; Location determined from historical maps; No evidence of release	SB-J11-B25-01 through SB-J11-B25-03	SB-J11-B25-02 SB-J11-B25-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-B25-02. A confirmation sample was collected at SB-J11-B25-01. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1		SVOCs	SVOCs (5-8B & 5-21B)
I11-1	1	B-Line Canteen	Wood/vinyl construction; No indication of chemicals or potential release	SB-I11-1-01 through SB-I11-1-04	SB-I11-1-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-1-03		1	1											1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
I11-6	6	Septic Tank	Unassociated septic tank, previously unidentified; one sludge sample taken during Single Phase Remediation effort	TP-I11-6-01	TP-I11-6-01	A Test Pit was dug downgradient from the septic tank.	1	1												1	1			
I11-7	3	Unknown Foundation	Dilapidated concrete footer; No evidence of a release	SB-I11-7-01 through SB-I11-7-03	SB-I11-7-03 SB-I11-7-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-7-03. A confirmation sample was collected at SB-I11-7-01. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1		SVOCs	SVOCs (5-8B & 5-21B)
I11-8260	1	Change House	Corrugated sheet metal construction ; No evidence of a release	SB-I11-8260-01 through SB-I11-8260-04	SB-I11-8260-02 SB-I11-8260-03	Sampling location SB-I11-8260-02 was determined using XRF screening; Results indicated a lead concentration of 406 ppm at SB-I11-8260-02; Group B E&E materials were also detected at SB-I11-8260-02. A confirmation sample was collected at SB-I11-8260-03.		2	2		2	2	2							1	1	Metals, SVOCs	E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
I11-8504	1,7	B-Line Pump House	Wooden and corrugated sheet metal construction; Storage tank at SW corner, oil-water separator on W side; (Sampled during Single Phase Remediation); No evidence of a release	SB-I11-8504-01 through SB-I11-8504-06 TP-I11-8504-07	SB-I11-8504-03 SB-I11-8504-04 SB-I11-8504-06 TP-I11-8504-07	Sampling location SB-I11-8504-03 was determined using professional judgement; Sampling locations SB-I11-8504-04/06 were determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-8504-04/06. Test Pit location was placed downgradient from sump. Analytical results did not detect elevated E&E concentrations.	4	4	3		3	3	3							2	2	Metals, SVOCs		Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
I12-4	3	Foundation	Building demolished, large concrete foundations with protruding rebar, continuous footers below larger support foundations. Portions of former brick walls present. No evidence of a release	SB-I12-4-01 through SB-I12-4-05	SB-I12-4-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I12-4-01 Analytical results did not detect elevated E&E concentrations		1	1		1	1	1							1	1	Metals, SVOCs		Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
I12-8101	3	Ammonia Oxidation	Building demolished, remains include concrete and rebar; foundation, parts of brick walls, and wood building; No evidence of a release	SB-I12-8101-01 through SB-I12-8101-05	SB-I12-8101-01 SB-I12-8101-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I12-8101-01. A confirmation sample was collected at SB-I12-8101-02. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1		SVOCs	SVOCs (5-8B & 5-21B)
J10-2187	3	Filament Winding Building	Only demolition rubble in soil indicates presence of former building. No evidence of a release.	SB-J10-2187-01 through SB-J10-2187-05	SB-J10-2187-05 SB-J10-2187-01	Sampling location SB-J10-2187-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J10-2187-01.		2	2											1	1	Metals		Metals (5-8E & 5-21D)
J10-5	1	B-Line Office	Brick building over concrete foundation. No evidence of a release. Occupies half of the foundation, equipment storage the other half.	SB-J10-5-01 through SB-J10-5-06	SB-J10-5-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 653 ppm at SB-J10-5-01		1	1		1	1	1							1	1	Metals	SVOCs	Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
J10-6	3	Smokeless Powder Storage	Building demolished, largely vegetated area; Mound and stone foundation indicates storehouse; No evidence of a release	SB-J10-6-01 through SB-J10-6-05	SB-J10-6-01 SB-J10-6-05	Sampling locatione were determined using professional judgement Screening results did not warrant biased sampling	2	2												1	1			
J10-609	4	Office Change House	Remnant Building, location determined from historical maps	SB-J10-609-01 through SB-J10-609-03	SB-J10-609-02 SB-J10-609-01	Sampling location SB-J10-609-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J10-609-01.		2	2											1	1			
J10-8280	4	Unknown	Minor amounts of building rubble are only remaining evidence of a building. Location determined from historical maps. No evidence of a release.	SB-J10-8280-01 through SB-J10-8280-03	SB-J10-8280-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-8E & 5-21D)
J11-1	9	Spray Field B	Currently heavily vegetated, little trace of former sprayfield. Ditch dug from K11-2301 to water detention basin to prevent flow into building area 2300. No evidence of a release (area=26,000 sq ft).	SB-J11-1-01 through SB-J11-1-20	SB-J11-1-01 through SB-J11-1-20	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-1-01/02/07/14/17. Confirmation samples were taken at the remaining locations.	20	20			5	5	5							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
J11-10	7	Unknown	Concrete containment structure, trailer-mounted tank on pad. Drainage to PVC pipe outlet on E end. No evidence of a release.	SB-J11-10-01 through SB-J11-10-05	SB-J11-10-05	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-10-05		1	1		1	1	1							1	1	SVOCs, E&E		E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
J11-11	6	Septic Tank	Minimal evidence, 6" vent pipe protruding from ground; Location determined from historical maps; No evidence of a release	TP-J11-11-01	TP-J11-11-01	Test Pit location downgradient from septic tank.	1	1												1	1			
J11-14	4	Final Mix #3	Building demolished, currently a vegetated area; Location determined from historical maps; No evidence of a release	SB-J11-14-01 through SB-J11-14-03	SB-J11-14-03 SB-J11-14-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-14-03. A confirmation sample was collected at SB-J11-14-01		2	2		2	2	2							1	1			
J11-2188	1,7	B-Line Mix House	Wooden construction over concrete foundation with multiple loading areas. Brick walls separate each mix house. Sumps and floor drains surround building. Potential former discharge to ground/sumps.	SB-J11-2188-01 through SB-J11-2188-08 TP-J11-2188-09 through TP-J11-2188-11	SB-J11-2188-03 SB-J11-2188-06 SB-J11-2188-08 TP-J11-2188-09 through TP-J11-2188-10 TP-J11-2188-11	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2188-03/06/08 Test Pit locations were placed downgradient from sumps		6	3		6	6	6							4	4	Metals, E&E	SVOCs	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
J11-2296	3	Control Room	Building demolished, only concrete masonry unit foundation and ceramic steampipe vent catch remain. No evidence of release.	SB-J11-2296-01 through SB-J11-2296-05	SB-J11-2296-04 SB-J11-2296-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2296-04. A confirmation sample was collected at SB-J11-2296-02.		2	2		1	1	1							1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
J11-2298	1	Extruder/Cutter	Wooden construction over concrete foundation. Concrete walls divide building into thirds.	SB-J11-2298-01 through SB-J11-2298-05	SB-J11-2298-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2298-04		1	1		1	1	1							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
J11-3	5	Former Tank	Two tank cradles where tanks formerly stood; No evidence of a release	SB-J11-3-01 through SB-J11-3-06	SB-J11-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	VOCs		VOCs (5-8A & 5-21A)
J11-317	9	Powder Testing Grounds	Stressed soil area, pieces of lead present; Small amounts of vegetation returning (area=2,200 sq ft)	SB-J11-317-01 through SB-J11-317-08	SB-J11-317-01 SB-J11-317-03 SB-J11-317-05 SB-J11-317-06	Sampling location SB-J11-317-01 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-317-01 Sampling locations SB-J11-317-03/05/06 were determined using XRF screening; Results indicated a lead concentration of 811 ppm and a copper concentration of 1,400 ppm at SB-J11-317-03, a lead concentration of 780 ppm at SB-J11-317-05, and 427 ppm at SB-J11-317-06.Analytical results did not detect elevated E&E concentrations.		3	3		3	3	3							1	1	Metals, SVOCs	E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
J11-6	5	Storage Tank	Surrounded by concrete containment. Pipe feeds to B-Line Mix House. Posted as holding water, acetone, ethanol, NG, NC, and process water. No evidence of a release.	SB-J11-6-01 through SB-J11-6-04	SB-J11-6-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-6-03 Analytical results did not detect elevated E&E concentrations.	1	1			1	1	1							1	1	VOCs		VOCs (5-8A & 5-21A)
J11-602A	4	Scrap Smokeless Powder	Building demolished, area has been covered with aggregate(area<100 sq ft); Location determined from historical maps; No evidence of a release	SB-J11-602A-01 through SB-J11-602A-03	SB-J11-602A-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-602A-01 Analytical results did not detect elevated E&E concentrations.					1	1	1							1	1			
J11-7	5	Former Tanks	Demolished, tank cradles removed; Gravel, slag-like material covers area; Location determined from historical maps; No evidence of a release	SB-J11-7-01 through SB-J11-7-03	SB-J11-7-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-7-01 Analytical results did not detect elevated E&E concentrations.	1	1			1	1	1							1	1			
J11-8265	4	Store House	Building demolished, footers and debris still present; Location determined from footers and maps; No evidence of a release	SB-J11-8265-01 through SB-J11-8265-05	SB-J11-8265-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8265-04		1	1		1	1	1							1	1	Metals	E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C)
J11-8265A	5	Store House Tank	Tank cradles and tank removed, footers demolished; Largely vegetated area, location determined from maps; No evidence of a release	SB-J11-8265A-01 through SB-J11-8265A-03	SB-J11-8265A-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8265A-03 Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1			
J11-8570	7	Wastewater Holding #1	2 sump pumps on concrete pad, sump piping leads away to WWTP. No evidence of a release.	SB-J11-8570-01 through SB-J11-8570-04 TP-J11-8570-05	SB-J11-8570-01 TP-J11-8570-05	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8570-02 Test Pit location was placed downgradient from sump	1	2	1		2	2	2							2	2	VOCs		VOCs (5-8A & 5-21A)
J11-B20	3	Building B-20	Building demolished, one concrete footer remaining with rubble. No evidence of a release (area=100 sq ft).	SB-J11-B20-01 through SB-J11-B20-03	SB-J11-B20-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 697 ppm at SB-J11-B20-02. Analytical results did not detect elevated metal concentrations.		1	1		1	1	1							1	1			
J11-B83	1	Unknown Storage Shed	Corrugated metal shed on concrete foundation; Electrical wire connections to NE corner; No evidence of a release	SB-J11-B83-01 through SB-J11-B83-04	SB-J11-B83-01 SB-J11-B83-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-B83-01. A confirmation sample was collected at SB-J11-B83-03. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
J12-2	3	Unknown	Large concrete footers with concrete basin reinforced with steel I-Beams, possible powder grinder. No evidence of release, however slag present.	SB-J12-2-01 through SB-J12-2-05	SB-J12-2-03 SB-J12-2-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J12-2-03. A confirmation sample was collected at SB-J12-2-02. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
J12-3	3	Unknown	Old stone wall with depression in front; Possible surface runoff from powder grinder; No evidence of a release (area=100 sq ft)	SB-J12-3-01 through SB-J12-3-03	SB-J12-3-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,605 ppm at SB-J12-3-02		1	1		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K10-1	3	Concrete Pad	Concrete pad, possible heater or electrical pad for Pedry House. No evidence of a release.	SB-K10-1-01 through SB-K10-1-04	SB-K10-1-01 SB-K10-1-02	Sampling location SB-K10-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-1-02.		2	2											1	1		SVOCs	SVOCs (5-8B & 5-21B)
K10-2	7	Unknown Containment Area	Large concrete containment basin with high concrete walls; Large pipe outlet in SE corner; No evidence of a release	SB-K10-2-01 through SB-K10-2-05	SB-K10-2-02 SB-K10-2-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	Metals	SVOCs	Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
K10-2090	1,7	Pedry House	Wooden construction over concrete foundation; Concrete culvert to adjacent control house; Two berms and multiple loading area present; Stressed vegetation at N corner	SB-K10-2090-01 through SB-K10-2090-08	SB-K10-2090-01 SB-K10-2090-04 SB-K10-2090-07 SB-K10-2090-08	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		4	4		4	4	4							1	1	SVOCs, E&E		E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K10-2197	1	Curing House	Corrugated steel vault with wooden front doors; Blower unit at rear enters vault at back; No evidence of a release	SB-K10-2197-01 through SB-K10-2197-06	SB-K10-2197-05 SB-K10-2197-04	Sampling location SB-K10-2197-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-2197-04.		2	2		2	2	2							1	1	Metals	SVOC E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K10-2197A	1	Curing House	Corrugated steel vault with concrete footer, wooden front facade soil overlain; Loading area in front; No evidence of a release	SB-K10-2197A-01 through SB-K10-2197A-05	SB-K10-2197A-01 SB-K10-2197A-05	Sampling location SB-K10-2197A-05 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K10-2197A-05; Sampling location SB-K10-2197A-01 was dertermined using professional judgement.		2	2		2	2	2							1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K10-2266	1	Control Room	Plaster over concrete masonry unit construction; Concrete culverts leads to Pedry House on SE side; No evidence of a release	SB-K10-2266-01 through SB-K10-2266-07	SB-K10-2266-04 SB-K10-2266-05	Sampling location SB-K10-2296-04 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K10-2266-04; Sampling location SB-K10-2266-05 was dertermined using professional judgement.		2	2		1	1	1							1	1	Metals, E&E	SVOC	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K10-3	3	Smokeless Powder Storage	Building demolished, only stone foundation remains; No evidence of a release (area=900 sq ft)	SB-K10-3-01 through SB-K10-3-04	SB-K10-3-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,203 ppm at SB-K10-3-02			1		1	1	1							1	1	Metals		Metals (5-8E & 5-21D)
K10-5	9	Stressed Vegetation	Aggregate and reddish stained soil (possibly iron staining); Shape follows surface drainage pattern, leading away from Pedry House (area=1,200 sq ft)	SB-K10-5-01 through SB-K10-5-04	SB-K10-5-02 SB-K10-5-04	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,310 ppm at SB-K10-5-02		2	2										2	1	1	Metals		Metals (5-8E & 5-21D)
K10-6	5	Tank Cradles	Small concrete and rebar tank cradles; Adjacent to stressed vegetation (K10-5)	SB-K10-6-01 through SB-K10-6-04	SB-K10-6-02 SB-K10-6-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2												1	1			
K10-602B	3	Smokeless Powder Storage	Building demolished, mound of soil surrounded by old stone foundation. Adjacent to rail line. No evidence of a release (area=800 sq ft).	SB-K10-602B-01 through SB-K10-602B-04	SB-K10-602B-03 SB-K10-602B-02	Sampling location SB-K10-602B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-602B-02.					2	2	2							1	1			
K10-79A	4	Record Storage	Grass and vegetation covered area; Location determined from historical maps; No evidence of a release	SB-K10-79A-01 through SB-K10-79A-03	SB-K10-79A-01 SB-K10-79A-03	Sampling location SB-K10-79A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-79A-03.		2	2											1	1			
K11-1 K11-2	3	Unknown Foundation	Concrete foundation and former building rubble present. Pipes present at W and S corner protruding from foundation corner. No evidence of a release.	SB-K11-1-01 through SB-K11-1-05	SB-K11-1-04 SB-K11-1-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	Metals	SVOCs	Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
K11-2225A	7	Coating House Discharge	Same construction as valve box except ceramic pipe enters on NE and SE side. Sump associated with the building. No evidence of a release.	TP-K11-2225A-01	TP-K11-2225A-01	Test Pit location placed downgradient from the sump.		1			1	1	1							1	1			
K11-2225B	5	Coating House Paraplex Tank	Paraplex tank mounted on concrete saddles wrapped in corrugated metal. Pump on S side and piping leading to Bldg. 2225, concrete pad on S side. No evidence of a release.	SB-K11-2225B-01 through SB-K11-2225B-04	SB-K11-2225B-02 SB-K11-2225B-04	Sampling location SB-K11-2225B-04 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-2225B-04; Sampling location SB-K10-2225B-02 was dertermined using professional judgement.		1	1		1	1	1							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
K11-2225C	8	Paraplex Feed Line	Feed line for barrel coating house from paraplex tank; No evidence of a release			Line removed, no evidence of release, therefore no samples were collected																		
K11-2264	1	Heater House	Metal siding over metal frame construction, concrete footer; Condenser on concrete pad to SE corner; No evidence of a release	SB-K11-2264-01 through SB-K11-2264-04	SB-K11-2264-04 SB-K11-2264-03	Sampling location SB-K11-2264-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-2264-03.		2	2											1	1		SVOCs	SVOCs (5-8B & 5-21B)
K11-2300	1,7	B-Line Press and Cut	Concrete Masonry Unit/corrugated sheet metal construction. Concrete walls in separate areas. Floor drains previously discharged to ground. Sump associated with the building	SB-K11-2300-01 through SB-K11-2300-06 TP-K11-2300-07	SB-K11-2300-01 SB-K11-2300-05 TP-K11-2300-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from sump		3	2		3	3	3							2	2	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K11-2301	1	Heater House	Corrugated metal and wood construction. Duct feed to Bldg. 2300, feed from adjacent stream line into Bldg. 2301. No evidence of a release.	SB-K11-2301-01 through SB-K11-2301-04	SB-K11-2301-04 SB-K11-2301-02	Sampling location SB-K11-2301-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-2301-02.		2	2											1	1		SVOCs	SVOCs (5-8B & 5-21B)
K11-2302	1	Cut and Rest House	Wooden construction over concrete foundation. Indicated by Roux as previous wastewater release. Concrete wall on W side. No direct evidence of a release.	SB-K11-2302-01 through SB-K11-2302-05	SB-K11-2302-03 SB-K11-2302-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-2302-03/05		2	2		2	2	2							1	1	SVOCs, Metals, E&E		Metals (5-8E & 5-21D), E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K11-2302A	9	Cut and Rest House Discharge/Ditch	Drainage/Discharge from Bldg. 2302A; Culvert filled in to allow roadway passage; No evidence of a release (area=3,400 sq ft)			This AOC has been referred to the Surface Water/Sediment Investigation																		
K11-3	9	Debris Area	No evidence of former debris, all has been removed; No evidence of a release	SB-K11-3-01 through SB-K11-3-03	SB-K11-3-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-3-02		1	1		1	1	1							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K11-5	10	Electrical Transformer	Transformer mounted to telephone pole; No evidence of corrosion or release	SB-K11-5-01	SB-K11-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
K11-598	4	Final Press and Grain #3	Remnant Building, location determined from historical maps	SB-K11-598-01 through SB-K11-598-03	SB-K11-598-03 SB-K11-598-02	Sampling location SB-K11-598-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-598-02.		2	2		2	2	2							1	1	SVOCs		SVOCs (5-8B & 5-21B)
K11-601	4	Cutting House #3	Remnant Building, location determined from historical maps	SB-K11-601-01 through SB-K11-601-03	SB-K11-601-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
K11-604	4	Press & Grain #4	Remnant Building, location determined from historical maps	SB-K11-604-01 through SB-K11-604-03	SB-K11-604-02 SB-K11-604-03	Sampling location SB-K11-604-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-604-03.		2	2		2	2	2							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
K11-607	4	Cutting House #4	Remnant Building, location determined from historical maps	SB-K11-607-01 through SB-K11-607-03	SB-K11-607-02 SB-K11-607-01	Sampling location SB-K11-607-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-607-01.		2	2		2	2	2							1	1			
K11-B2	4	Press and Cut House Scrap Shed	Building demolished, minimal evidence of buildings present; Location determined from historical maps. No evidence of a release.	SB-K11-B2-01 through SB-K11-B2-03	SB-K11-B2-01 SB-K11-B2-03	Sampling location SB-K11-B2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-B2-03.		2	2											1	1			
K11-B3	3	Barrel Coat Scrap Shed	Building demolished, moss-covered foundation remains; No evidence of a release	SB-K11-B3-01 through SB-K11-B3-03	SB-K11-B3-02 SB-K11-B3-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-K11-B3-02. A confirmation sample was collected at SB-K11-B3-01. Analytical result did not detect elevated E&E concentrations		2	2		1	1	1							1	1			
K9-1	1	Unknown	Small storage shed of wooden construction; No evidence of a release	SB-K9-1-01 through SB-K9-1-04	SB-K9-1-02 SB-K9-1-01	Sampling location SB-K9-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K9-1-01.		2	2		2	2	2							1	1			
K9-4	4	Earth Mound Barricade	Remnant Building, location determined from historical maps	SB-K9-4-01 through SB-K9-4-03	SB-K9-4-02 SB-K9-4-01	Sampling location SB-K9-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K9-4-01.		2	2		1	1	1							1	1			
L10-1	3,6	Unknown	Building demolished, only foundation remains; Probably associated with L09-8210; No evidence of a release (area=100 sq ft). Septic associated with the building.	SB-L10-1-01 through SB-L10-1-03 TP-L10-1A-01	SB-L10-1-02 TP-L10-1A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	2	1		1	1	1						2	2			
L10-2	3	Unknown Foundation	Building demolished, only concrete foundation remaining; Currently an overgrown area; No evidence of a release	SB-L10-2-01 through SB-L10-2-05	SB-L10-2-02 SB-L10-2-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-2-02. A confirmation sample was collected at SB-L10-2-01.		2	2		2	2	2							1	1	E&E	SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L10-2088/2255/ 2256/2258	4	Former 4 Buildings	Area covered with piles of soil, building debris and pipes; Location determined from historical maps; Unable to determine if release present	SB-L10-2088-01 through SB-L10-2088-03	SB-L10-2088-02 SB-L10-2088-01	Sampling location SB-L10-2088-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-2088-01.		2	2		2	2	2							1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L10-2191	3	Cabinet Dryers 37,38,39	Only concrete footers and loading dock remain; 1" steel pipe at dock (NW side); Stressed vegetation present	SB-L10-2191-01 through SB-L10-2191-07	SB-L10-2191-02 SB-L10-2191-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2			2	2	2							1	1	SVOCs, E&E		E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L10-2242	3	Dry House	Only concrete rubble and pad remaining as evidence of a building. No evidence of a release.	SB-L10-2242-01 through SB-L10-2242-04	SB-L10-2242-03 SB-L10-2242-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-2242-03. A confirmation sample was collected at SB-L10-2242-02. Analytical result did not detect elevated E&E concentrations.		2	2		2	2	2							1	1	SVOCs		SVOCs (5-8B & 5-21B)
L10-2316	4	Pump House	Building demolished. Location determined from historical maps and site features. No evidence of a release.	SB-L10-2316-01 through SB-L10-2316-03	SB-L10-2316-02	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 269 ppm at SB-L10-2316-02		1	1											1	1	Metals, SVOCs		Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
L10-4	3	Unknown	Two foundations associated with L10-2191. No evidence of former buildings. No evidence of a release.	SB-L10-4-01 through SB-L10-4-05	SB-L10-4-05 SB-L10-4-02	Sampling location SB-L10-4-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-4-02.		2	2		2	2	2							1	1			
L10-6	3	Waste Powder Storage	Building demolished, brick and concrete foundation remain. SE edge of foundation paved over. No evidence of a release.	SB-L10-6-01 through SB-L10-6-05	SB-L10-6-05 SB-L10-6-01	Sampling location SB-L10-6-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-6-01.					2	2	2							1	1		E&E	E&E (5-8C & 5-21C)
L10-725	4	Solvent Recovery and W. Dry House	Building demolished, macadam and vegetation currently cover area. Location determined from historical maps. No evidence of a release.	SB-L10-725-01 through SB-L10-725-03	SB-L10-725-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-725-01 Analytical result did not detect elevated E&E concentrations	1	1	1		1	1	1						1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L10-8210	4	Store House	Minor amounts of brick and concrete rubble only remaining evidence of a building. Location determined from historical maps. No evidence of a release.	SB-L10-8210-01 through SB-L10-8210-03	SB-L10-8210-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-8210-03		1	1		1	1	1							1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
L10-8215	4	Outside Toilets	Building demolished, minimal evidence of buildings present; Location determined from historical maps; No evidence of a release	SB-L10-8215-01 through SB-L10-8215-03	SB-L10-8215-02 SB-L10-8215-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-8215-02. A confirmation sample was collected at SB-L10-8215-01. Analytical result did not detect elevated E&E concentrations		2	2		1	1	1							1	1		E&E, SVOCs	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L10-8521	10	B-Line Substation	Three large transformers with associated insulators; No evidence of a release	SB-L10-8521-01 through SB-L10-8521-03	SB-L10-8521-01 SB-L10-8521-02 SB-L10-8521-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling				3										1	1			
L10-B462	4	Steeping House #2	Only concrete rubble remaining as evidence of a building; Location determined from historical maps; No evidence of a release	SB-L10-B462-01 through SB-L10-B462-03	SB-L10-B462-03 SB-L10-B462-01	Sampling location SB-L10-B462-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-B462-01.		2	2		2	2	2							1	1		SVOCs	SVOCs (5-8B & 5-21B)
L11-1	7	Unknown Containment Basin	Two large circular concrete pads held within a larger basin; Adjacent to L11-2089; No evidence of a release	SB-L11-1-01 through SB-L11-1-04	SB-L11-1-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1			1	1	1							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L11-2	5	Tank Cradles	Concrete tank cradles large enough to hold 6' diameter tank; Covered in tar paper; No evidence of a release	SB-L11-2-01 through SB-L11-2-03	SB-L11-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	SVOCs		SVOCs (5-8B & 5-21B)
L11-2089	1,7	Glazing/Coating House	New wooden construction over concrete foundation; Catch tank on W corner; Sump associated with the building. No evidence of release.	SB-L11-2089-01 through SB-L11-2089-05 TP-L11-2089-06	SB-L11-2089-01 SB-L11-2089-05 TP-L11-2089-06	Sampling location SB-L11-2089-05 was determined using professional judgement; Sampling location SB-L11-2089-01 was determined using an Expray Test Kit. Group B E&E materials were detected. Test Pit location was placed downgradient from the sump.		3	2		3	3	3							2	2	SVOCs, E&E		E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L11-2091	3	Heater House	Concrete pad with steam pipes leading to L11-2089; Drain pipe on W corner; No evidence of release	SB-L11-2091-01 through SB-L11-2091-05	SB-L11-2091-02 SB-L11-2091-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	SVOCs		SVOCs (5-8B & 5-21B)
L11-2225	1	Coating House	Wooden, sheet metal, and fiberglass construction over a concrete foundation. Connections to control house and paraplex tank. No evidence of a release.	SB-L11-2225-01 through SB-L11-2225-07	SB-L11-2225-02 SB-L11-2225-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-L11-2225-02/05		2	2		2	2	2							1	1	Metals	E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C)
L11-2226	1	Control House	Concrete and wooden construction. Controls for coating barrel, screen, chem mix, rotoclone, paraplex pump, and fines collection. No evidence of a release.	SB-L11-2226-01 through SB-L11-2226-04	SB-L11-2226-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-8B & 5-21B)
L11-2303	1	Coating/Glazing Electrical Room	Wooden construction over concrete foundation and asphalt roof; Construction may not have been completed; No evidence of a release	SB-L11-2303-01 through SB-L11-2303-04	SB-L11-2303-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L11-2303-03 Analytical result did not detect elevated E&E concentrations		1	1		1	1	1							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
L8-1	3	Store House	Structure removed, only loading area, stacked rail ties and mounded soil/aggregate cover remains. No evidence of a release.	SB-L8-1-01 through SB-L8-1-05	SB-L8-1-01 SB-L8-1-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals		Metals (5-8E & 5-21D)
L9-1	3	Unknown	Possible AC or heater house for M09-2192; Only concrete pad remains; No evidence of a release (area=100 sq ft)	SB-L9-1-01 through SB-L9-1-03	SB-L9-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
L9-3	10	Electrical Transformer	Transformer mounted to telephone pole; Black in color with some gray-green discoloration; No evidence of corrosion or release	SB-L9-3-01	SB-L9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
L9-79B	4	Record Storage	Grass and vegetation covered area; Location determined from historical maps; No evidence of a release	SB-L9-79B-01 through SB-L9-79B-03	SB-L9-79B-01 SB-L9-79B-03	Sampling SB-L9-79B-01 location was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L9-79B-03.		2	2											1	1			
L9-8210	3	Store House	Only brick and concrete rubble remain, building demolished; No evidence of a release	SB-L9-8210-01 through SB-L9-8210-05	SB-L9-8210-05	Sampling location was determined using XRF screening; Results indicated a lead concentration of 3,665 ppm at SB-L9-8210-05		1	1											1	1	SVOCs, Metals		Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
M10-1	3	Unknown	Old building with cement footers, an old stack, a drum, and steel siding as debris.	SB-M10-1-01 through SB-M10-1-05	SB-M10-1-02 SB-M10-1-04	Sampling location SB-M10-1-02 was determined using professional judgement;Screening results did not warrant biased sampling. A confirmation sample was collected at SB-10-1-04.		2	2		2	2	2							1	1	Metals	E&E	Metals (5-8E & 5-21D), E&E (5-8C & 5-21C)
M10-2	10	Electrical Transformer	Transformer at base of pole; Corroded but intact, possible S.V. at base of pole	SB-M10-2-01	SB-M10-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
M10-2262/ B41-6/ B41-7	3	Curing House/ B11-6/B41-7	Building demolished, area has been covered with aggregate; No evidence of a release	SB-M10-2262-01 through SB-M10-2262-05	SB-M10-2262-05 SB-M10-2262-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-M10-2262-05. A confirmation sample was collected at SB-M10-2262-04. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1		SVOCs	SVOCs (5-8B & 5-21B)
M10-2315	3	Vacuum House	Building has been removed, broken concrete foundations remain. No evidence of release (area=100 sq ft).	SB-M10-2315-01 through SB-M10-2315-04	SB-M10-2315-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,600 ppm at SB-M10-2315-02		1	1											1	1	Metals		Metals (5-8E & 5-21D)
M10-4	9	Stressed Vegetation	Stressed vegetation near location of former toilet; Some foundation debris and brick present; Gray-green color (area=100 sq ft)	SB-M10-4-01 through SB-M10-4-03	SB-M10-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1			
M10-6	3	Unknown	Building demolished, only concrete footer and surrounding; berm indicate building location; Empty drum and bucket present; No evidence of a release	SB-M10-6-01 through SB-M10-6-05	SB-M10-6-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-8E & 5-21D)
M10-7	1	B-Line Halfway Dock	Wooden construction with no walls (only roof and floor); No evidence of a release	SB-M10-7-01 through SB-M10-7-04	SB-M10-7-02 SB-M10-7-03	Sampling location SB-M10-7-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-7-03.					2	2	2							1	1	E&E		E&E (5-8C & 5-21C)
M10-724	4	Solvent Recovery and W. Dry House	Indication of former building removed; Location determined from historic maps; No evidence of release, however stained soil M10-4 is adjacent	SB-M10-724-01 through SB-M10-724-03	SB-M10-724-01 SB-M10-724-03	Sampling location SB-M10-724-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-724-03.	2	2	2		2	2	2						1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
M10-8	10	Electrical Transformer	Older with black colored housing, some discoloration to gray. No stressed soil below, no evidence of release.	SB-M10-8-01	SB-M10-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
M10-B14	4	Toilet	Building demolished, currently overgrown with vegetation; Location determined from historical maps; Adjacent stressed vegetation	SB-M10-B14-01 through SB-M10-B14-03	SB-M10-B14-01 SB-M10-B14-02	Sampling location SB-M10-B14-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-B14-02.		2	2											1	1			
M11-3	3	Unknown	Building demolished, four wooden posts at corners debris on E side. No evidence of a release (area=500 sq ft).	SB-M11-3-01 through SB-M11-3-04	SB-M11-3-02 SB-M11-3-03	Sampling location SB-M11-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M11-3-03.		2	2		2	2	2							1	1	Metals, SVOCs		Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
M8-2	3	Unknown	Cement foundation with four concrete footers and leftover bricks; Building probably associated with adjacent cabinet dryer. No evidence of a release.	SB-M8-2-01 through SB-M8-2-05	SB-M8-2-05	Sampling location was determined using XRF screening; Results indicated a lead concentration of 431 ppm at SB-M8-2-05		1	1		1	1	1							1	1	Metals	SVOCs	Metals (5-8E & 5-21D), SVOCs (5-8B & 5-21B)
M8-2196	3	Cabinet Dryers	Complex building that housed three cabinet dryers. Three loading areas to the S. Two stressed vegetation areas to the N. Foundations and loading area are intact and all that remain.	SB-M8-2196-01 through SB-M8-2196-08	SB-M8-2196-03 SB-M8-2196-07 SB-M8-2196-08	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling					3	3	3							1	1		E&E	E&E (5-8C & 5-21C)
M8-3	3	Concrete Pad	Cement pad associated with adjacent cabinet dryer. There is some melted aluminum on the pad and an old steam trap. No evidence of a release.	SB-M8-3-01 through SB-M8-3-05	SB-M8-3-01 SB-M8-3-02	Sampling location SB-M8-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M8-3-02.		2	2											1	1			
M9-2191	3	Former Rocket House	Building has been completely removed. Only a cut out portion of slope and a steam pipe junction remain. Minor debris remains. No evidence of a release.	SB-M9-2191-01 through SB-M9-2191-05	SB-M9-2191-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-8E & 5-21D)
M9-2192	3	Cabinet Dryers 40,41,42	Loading dock and concrete footers remain. Line of steel supports lead to dock from near concrete footers. Stressed vegetation on N corner leading away from footers.	SB-M9-2192-01 through SB-M9-2192-06	SB-M9-2192-03 SB-M9-2192-05 SB-M9-2192-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling					3	3	3							1	1	E&E		E&E (5-8C & 5-21C)
M9-2193	3	Cabinet Dryers 43,44,45	Loading dock and concrete footers remain; Loading areas on SW loading dock; Stressed vegetation on N corner	SB-M9-2193-01 through SB-M9-2193-06	SB-M9-2193-01 SB-M9-2193-05 SB-M9-2193-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling					3	3	3							1	1	E&E		E&E (5-8C & 5-21C)
M9-2251	3	Solvent Prep House	Only one footer remains with no other evidence of a building; No evidence of a release (area=500 sq ft)	SB-M9-2251-01 through SB-M9-2251-04	SB-M9-2251-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1											1	1	SVOCs		SVOCs (5-8B & 5-21B)
M9-2254	3	A.C. House	Only concrete pad remains on the NE side of M09-2193; No evidence of a release (area=100 sq ft)	SB-M9-2254-01 through SB-M9-2254-03	SB-M9-2254-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-8B & 5-21B)
M9-2261	7	Catch Tank House	Building has been removed, only flat area with some reinforcing rod and electrical conduit remain. No evidence of a release.	SB-M9-2261-01 through SB-M9-2261-04	SB-M9-2261-01 SB-M9-2261-02	Sampling location SB-M9-2261-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M9-2261-02.		2			2	2	2							1	1	SVOCs		SVOCs (5-8B & 5-21B)
M9-2292	4	Waste Powder Shed	Building has been completely removed; Location based on historical map and topography; No evidence of a release	SB-M9-2292-01 through SB-M9-2292-03	SB-M9-2292-01 SB-M9-2292-02	Sampling location SB-M9-2292-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M9-2292-02.					2	2	2							1	1			
M9-3	3	Unknown	Building demolished, concrete footer with rebar protruding; No evidence of a release (area=100 sq ft)	SB-M9-3-01 through SB-M9-3-03	SB-M9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
M9-5	3	Unknown	Concrete footer with cast-in-place metal square in center; No evidence of a release (area=100 sq ft)	SB-M9-5-01 through SB-M9-5-03	SB-M9-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1			
M9-8151	4	Unknown	Building has been completely removed; Location based on historical map and topography; No evidence of a release	SB-M9-8151-01 through SB-M9-8151-03	SB-M9-8151-02 SB-M9-8151-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-M09-8151-03.	2	2			2	2	2							1	1			
N8-2304	3	Utility House	Old steel sided building with stained soil at the W corner. Multiple electrical conduit lines, a steam line, steam sump, and instrument control panel.	SB-N8-2304-01 through SB-N8-2304-05	SB-N8-2304-01 SB-N8-2304-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-N8-2305-01/05 Analytical results did not detect elevated E&E concentrations.	2	2			2	2	2							1	1	SVOCs		SVOCs (5-8B & 5-21B)
N9-1	10	Electrical Transformer	Transformer at base of pole. Intact but possible S.V. at base of pole.	SB-N9-1-01	SB-N9-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
N9-2195	3	Former Rocket House	Only cut-out of the berm, an air compressor, and old pipe remain. Possibility of some stained soil near pipe. Insulation and sand also present on ground.	SB-N9-2195-01 through SB-N9-2195-06	SB-N9-2195-02 SB-N9-2195-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2			2	2	2							1	1	SVOCs	E&E	E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
N9-2260	4	Unknown	Building has been completely removed; Location based on historical map and topography; No evidence of a release	SB-N9-2260-01 through SB-N9-2260-03	SB-N9-2260-01	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
N9-2267	1	Glaze/Screen House	Two story steel sided building with a great deal of electrical conduit. Three loading docks and an wood supported earthen berm in W corner. No evidence of a release.	SB-N9-2267-01 through SB-N9-2267-05	SB-N9-2267-03 SB-N9-2267-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2			2	2	2							1	1	SVOCs, E&E		E&E (5-8C & 5-21C), SVOCs (5-8B & 5-21B)
N9-2269	1	Control House	Small concrete foundation with steel siding; No evidence of a release	SB-N9-2269-01 through SB-N9-2269-04	SB-N9-2269-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-N9-2269-04	1	1			1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
N9-3	3	Former Rocket House	Building has been removed. All that remains is six standing cement footers and two toppled footers. No evidence of release (area=300 sq ft).	SB-N9-3-01 through SB-N9-3-05	SB-N9-3-05 SB-N9-3-04	Sampling location SB-N9-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-3-04.	2	2			2	2	2							1	1			
N9-B4	3	Glaze/Screen Scrap Shed	All that remains is a cement foundation; Building once received steam from main steam line; No evidence of a release (area=500 sq ft)	SB-N9-B4-01 through SB-N9-B4-04	SB-N9-B4-04 SB-N9-B4-01	Sampling location SB-N9-B4-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-B4-01.	2	2												1	1			
N9-B4-11	3	Unknown	All that remains is a partial concrete foundation and a slight berm. No evidence of a release.	SB-N9-B4-11-01 through SB-N9-B4-11-05	SB-N9-B4-11-05 SB-N9-B4-11-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-N9-B4-11-05. A confirmation sample was collected at SB-N9-B4-11-03. Analytical results did not detect E&E concentrations	2	2			2	2	2							1	1			
N9-B41-10	3	Unknown	Small building adjacent to N09-2195. All that remains is a partial cement foundation and steel siding. No evidence of a release (area=200 sq ft).	SB-N9-B41-10-01 through SB-N9-B41-10-03	SB-N9-B41-10-03 SB-N9-B41-10-01	Sampling location SB-N9-B41-10-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-B41-10-01.	2	2			2	2	2							1	1			
O7-2271/2272	2	X-Ray/Rest House	Buildings within one earthen covered structure; Entrances on opposite sides; No evidence of a release	SB-O7-2271-01 through SB-O7-2271-04	SB-O7-2271-04 SB-O7-2271-02	Sampling location SB-O7-2271-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-2271-02.	2	2			2	2	2							1	1			
O8-2247	3	Cast Area Pack House	Concrete foundation sided with rusted steel which has discolored adjacent soil. Asbestos steam line enters building on E side. Loading dock in SW corner, loading door in NE.	SB-O8-2247-01 through SB-O8-2247-06	SB-O8-2247-04 SB-O8-2247-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2			2	2	2							1	1			
O8-2252	1	A.C. House	Cement slab used to house an air conditioner, duct evidence; No evidence of release	SB-O8-2252-01 through SB-O8-2252-04	SB-O8-2252-02 SB-O8-2252-01	Sampling location SB-O8-2252-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O8-2252-01.	2	2												1	1			

Table 2-8

B-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
O8-2268	3	Container Storage	Building has been completely removed, several footers remain. No evidence of release.	SB-O8-2268-01 through SB-O8-2268-05	SB-O8-2268-05 SB-O8-2268-01	Sampling location SB-O8-2268-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-08-2268-01.		2	2											1	1			
O8-2274/ 2270/2273	2	X-Ray House	Earthen covered structure houses three buildings. Asbestos covered steam pipe on S side, small pad on N corner. No evidence of a release.	SB-O8-2274-01 through SB-O8-2274-04	SB-O8-2274-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-8B & 5-21B)
O8-4	3	Unknown Foundation	Small cement pad with an unknown use; No evidence of a release (area=300 sq ft)	SB-O8-4-01 through SB-O8-4-03	SB-O8-4-02 SB-O8-4-01	Sampling location SB-O8-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O8-4-01.		2	2		2	2	2							1	1			
O8-5	6	Septic Tank	Minimal evidence of former septic tank. Location determined from map. No evidence of a release.			Septic Tank could not be located, no evidence of tank exists																		

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

Table 2-9

A-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
E10-11	8	A-Line Acetone Pipeline	Acetone feed to bldg 2169 from A-Line acetone piping; No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected																		
E10-20	8	Catch Tank Discharge Pipe	A 3" PVC pipe encased in fiberglass pipe runs from E10-2288; A 3" PVC pipe runs from F10-12; Both pipes unite and enter ground; No evidence of release	SB-E10-20-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe. No positive detections were found using an Expray test kit.														1	1			
E10-2097/2098/2099	1,7	Premix House # 1	Wooden construction over concrete block foundation; catch tank to rear-floor drains lead into it; loading area to NW; walkway to 2169; internal controls to separator tank, neutralizer, flush tank.	SB-E10-2097-01 through SB-E10-2097-12	SB-E10-2097-02 SB-E10-2097-07	Sampling location SB-E10-2097-07 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2097-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
E10-2101/ 2102/2103	1,7	Premix House # 2	Wooden and concrete block foundation; alcohol feed (2101); Floor drains to Catch Tank House (2289)	SB-E10-2101-01 through SB-E10-2101-12	SB-E10-2101-05 SB-E10-2101-12	Group B E&E materials were detected at SB-E10-2101-05 and SB-E10-2101-12 using an Expray Test Kit		2	2		2	2	2							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
E10-2101C	1,8	Unknown	Wooden and steel construction with sheet metal second floor gutter from 2098 enters W corner; stainless steel tank present on first floor W side; No evidence of release	SB-E10-2101C-01 through SB-E10-2101C-05	SB-E10-2101C-01 SB-E10-2101C-05	Sampling location SB-E10-2101C-01 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2101C-05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
E10-2159	1	Heater House	Wooden construction over concrete foundation; steam pipe enters SE corner; steam pipe vent along W side; minor area, 5' x 5' of reduced vegetation	SB-E10-2159-01 through SB-E10-2159-05	SB-E10-2159-02 SB-E10-2159-05	Group B E&E materials were detected at SB-E9-2159-02 and SB-E9-2159-05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
E10-2160	1	Heater House	Wooden construction over concrete foundation; area of stressed vegetation on NW side leading to adjacent stream.	SB-E10-2160-01 through SB-E10-2160-05	SB-E10-2160-03 SB-E10-2160-05	Sampling location SB-E10-2160-05 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2160-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		1	1	1							1	1			
E10-2288	1,7	Catch Tank House	6' diameter catch tank from E10-2198; gutter collected from floor drains of 2098; gutter leads out to F10-12	SB-E10-2288-01 through SB-E10-2288-05	SB-E10-2288-03 SB-E10-2288-05	Group B E&E materials were detected at SB-E9-2288-03 using an Expray Test Kit A confirmation sample was taken at SB-E10-2288-05. Analytical results did not detect elevated E&E concentrations.		2			2	2	2							1	1			
E10-23	8	NG Gutters	Two gutters;one flows out of F10-12 and ends just S of the catch tank house; other flows out of 2098 downhill to F10-12; identical path along upper gutter until lower gutter bends just S of Catch Tank House. No evidence of release.			Gutter removed, no evidence of release, therefore no samples were collected																		
E10-606	4	Unknown	Bldg demolished-minimal evidence of former bldg; area currently paved over. No evidence of release (area=100 sq ft).	SB-E10-606-01 through SB-E10-606-03	SB-E10-606-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
E10-615	3	Unknown	Bldg demolished-only portions of former foundation remains; No evidence of release (area=400 sq ft)	SB-E10-615-01 through SB-E10-615-04	SB-E10-615-04	Group B E&E materials were detected at SB-E10-615-04 using an Expray Test Kit		1	1		1	1	1							1	1	SVOCs, E&E		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
E10-A1	3	Breaker Scrap Shed	Bldg demolished -only gravel area remains; No evidence of release (area=100 sq ft)	SB-E10-A1-01 through SB-E10-A1-03	SB-E10-A1-02	Group B E&E materials were detected at SB-E10-A1-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1			
E10-PA12	7	Waste Water Pit	4' diameter wastewater collection sump; fiberglass pipe enters ground on SE side. No evidence of release.	TP-E10-PA12-01	TP-E10-PA12-01	Test Pit location placed downgradient from sump	1	1			1	1	1							1	1			
E9-1	1	Store House	Wooden construction over concrete block; seven loading; doors on SE and NW sides; stressed vegetation leads to culvert on SE side of bldg.			This AOC has been referred to the Remedial Investigation due to the presence of energetics																E&E*		E&E (5-9C & 5-22C)
E9-2	7	Unknown Containment Pad	Concrete pad with 4' high containment around perimeter; Stainless steel piping to SE; No evidence of release	SB-E9-2-01 through SB-E9-2-04	SB-E9-2-03 SB-E9-2-01	Group B E&E materials were detected at SB-E9-2-03 using an Expray Test Kit. A confirmation sample was collected at SB-E9-2-01		2	2		2	2	2							1	1		E&E	E&E (5-9C & 5-22C)
E9-2119	1	Dry House	Wooden construction over concrete foundation; rail line; loading area on NW side; two steam pipe outlets on SE side; No evidence of release			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground																E&E*		E&E (5-9C & 5-22C)
E9-2153	1	Unknown Name	Corrugated metal over wooden structure built on concrete; foundation; conduit leads to 2119; electrical controls present; inside; possible second control house adjacent to F8-6; No evidence of release	SB-E9-2153-01 through SB-E9-2153-04	SB-E9-2153-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-9E & 5-22D)
E9-2161	3	Poacher House	Bldg demolished-concrete footers remain; No evidence of release	SB-E9-2161-01 through SB-E9-2161-05	SB-E9-2161-04	Group B E&E materials were detected at SB-E9-2161-04 using an Expray Test Kit		1	1		1	1	1							1	1	SVOCs, E&E		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
E9-2296	1,7	Slurry Coat House	Wooden and fiberglass construction over concrete foundation Octagonal tank support at N corner; sump at W corner; multiple loading areas; Sump associated with the building. No evidence of release	SB-E9-2296-01 through SB-E9-2296-08 TP-E9-2296-09	SB-E9-2296-04 SB-E9-2296-05 SB-E9-2296-06 SB-E9-2296-07 TP-E9-2296-09	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from the sump		5	4		5	5	5							2	2		E&E	E&E (5-9C & 5-22C)
E9-2296A	5	Unknown Tank	Probable air receiver tank; tag on tank (1961) lists tank as "formerly spent acid"; air vent on bottom NW side; discolored soil underneath NW side	SB-E9-2296A-01 through SB-E9-2296A-03	SB-E9-2296A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1			
E9-2296B	1	Slurry Coat Chiller Shed	Recently constructed-wooden shed with asphalt roof built on concrete block; piping removed; No evidence of release (area=100 sq ft)	SB-E9-2296B-01 through SB-E9-2296B-04	SB-E9-2296B-03 SB-E9-2296B-04	Sampling location SB-E9-2296B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E9-2296B-04		2	2											1	1			
E9-2296C	5	Recycling Tank	Concrete pad formerly held a recycling tank; tank removed; Former connections to 2" steel pipes evident No evidence of release	SB-E9-2296C-01 through SB-E9-2296C-04	SB-E9-2296C-01	Group B E&E materials were detected at SB-E9-2296C-01 using an Expray Test Kit SVOCs were not analyzed but should have been. Analytical results did not detect elevated E&E concentrations.	1	1			1	1	1							1	1			
E9-2296D	1	Control House	Concrete bldg; conduit leads away to bldg 2337, slurry coat house; No evidence of release	SB-E9-2296D-01 through SB-E9-2296D-04	SB-E9-2296D-01 SB-E9-2296D-03	Group B E&E materials were detected at SB-E9-2296D-01 using an Expray Test Kit. A confirmation sample was collected at SB-E9-2296D-03. Analytical results did not detect elevated E&E concentrations.		2	2		1	1	1							1	1			

Table 2-9

A-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
E9-2297	3	Unknown	Bldg demolished-concrete footers remain; No evidence of release	SB-E9-2297-01 through SB-E9-2297-04	SB-E9-2297-02	Group B E&E materials were detected at SB-E9-2297-02 using an Expray Test Kit		1	1		1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
E9-2337	1	100-ft Dryer	Wood construction over concrete block; steam process water line leads to SE. No evidence of a release.			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground																E&E*		E&E (5-9C & 5-22C)
E9-556	3	Cotton Blend	Bldg demolished-only concrete foundation remains; No evidence of release (area=300 sq ft)	SB-E9-556-01 through SB-E9-556-04	SB-E9-556-04	Group B E&E materials were detected at SB-E9-556-04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1			
E9-558B	3	Dehydrator Press	Bldg demolished-minor amounts of concrete and rubble present outline of foundation evident. No evidence of a release (area=100 sq ft).	SB-E9-558B-01 through SB-E9-558B-03	SB-E9-558B-03	Group B E&E materials were detected at SB-E9-558B-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1	Metals		Metals (5-9E & 5-22D)
E9-560	3	Block Breaker	Bldg demolished; E corner foundation evident; No evidence of release (area=100 sq ft)	SB-E9-560-01 through SB-E9-560-03	SB-E9-560-03	Group B E&E materials were detected at SB-E9-560-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1			
E9-562	3	AL Mixing House	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-E9-562-01 through SB-E9-562-03	SB-E9-562-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-9E & 5-22D)
E9-6	1,10	Control House	Recent construction-aluminum siding over wood with concrete foundation; electrical controls present inside; transformer pair on SW side. No evidence of a release.	SB-E9-6-01 through SB-E9-6-04	SB-E9-6-01 SB-E9-6-03 SB-E9-6-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		3	3	2										1	1			
E9-610	3	Unknown	Bldg demolished-only concrete foundation and footers remain; No evidence of release	SB-E9-610-01 through SB-E9-610-05	SB-E9-610-04	Group B E&E materials were detected at SB-E9-610-04 using an Expray Test Kit		1	1		1	1	1							1	1	SVOCs, Metals**, E&E		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
E9-A7	4	Cont. Dryer Scrap Shed	Bldg demolished; former evidence removed; No evidence of a release (area=100 sq ft)	SB-E9-A7-01 through SB-E9-A7-03	SB-E9-A7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F08-7	7	Unknown Name	Unknown pit or culvert; Steel plate over sandy sides-no concrete block present; No evidence of release			Pit determined to be hydraulic access pit, no evidence of release, therefore no samples taken																		
F10-11	9	Molten Lead in Soil	Small piles of molten lead in soil (area=100 sq ft)	SB-F10-11-01 through SB-F10-11-02	SB-F10-11-01	Group B E&E materials were detected at SB-F10-11-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.			1		1	1	1							1	1	Metals		Metals (5-9E & 5-22D)
F10-18	8	Alcohol/Acetone Feed Line	Runs along A Line; dual feeds which lead to bldgs from two tank storage areas: F10-9116/G9-9107 No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected																		
F10-2094	1,7	NC Weigh House	Wooden construction over concrete foundation-loading area on SE side; new floor drain on NW side routed to adjacent culvert to WWTP. No evidence of release.			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground																E&E		E&E (5-9C & 5-22C)
F10-2096	1,5,7	Cotton Dehy Press	Foundation; floor drains drain to NE corner; pit A10-PVC pipe drain enters ground at NE corner; brick separation wall in center; tank cradles on NW side (storage tank removed). No evidence of release.	SB-F10-2096-01 through SB-F10-2096-08	SB-F10-2096-06 SB-F10-2096-07 SB-F10-2096-08	Group B E&E materials were detected at SB-F10-2096-06/07/08 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		3	3		3	3	3							1	1	Metals, SVOCs	E&E	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F10-21	7	Concrete Sumps	Concrete sump with float switch, electrical alternator; piping leads from pumps into ground at W corner No evidence of release	SB-F10-21-01	SB-F10-21-01	Test Pit loacation was placed downgradient from the sump		1			1	1	1							1	1			
F10-2145	1	Heater House	Wooden construction over concrete foundation; 1' x 2' duct to 2094. No evidence of release.	SB-F10-2145-01 through SB-F10-2145-04	SB-F10-2145-01 SB-F10-2145-04	Sampling location SB-F10-2145-04 was determined using XRF screening; Results indicated a lead concentration of 416 ppm at SB-F10-2145-04 Group B E&E materials were detected at SB-F10-2145-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F10-2162	1	Caustic Storage	Small corrugated sheet metal and wooden construction over concrete foundation; indicated on front as caustic-strong alcohol	SB-F10-2162-01 through SB-F10-2162-04	SB-F10-2162-04 SB-F10-2162-02	Sampling location SB-F10-2162-04 was determined using XRF screening; Results indicated an lead concentration of 1442 ppm. A confirmation sample was collected at SB-F10-2162-02. Analytical results did not detect elevated metal concentrations.	2		1										1	1	1	1			
F10-2222	1	Alcohol Still House	Five story still house-wood and corrugated sheet metal over concrete foundation; weak and strong alcohol feed lines enter rear of bldg catch tank at S corner; No evidence of release	SB-F10-2222-01 through SB-F10-2222-04	SB-F10-2222-01 SB-F10-2222-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2													1	1	VOCs		VOCs (5-9A & 5-22A)
F10-2289	1,7	Catch Tank House	Corrugated sheet metal and wood construction over concrete foundation; gutter from 2101; No evidence of release	SB-F10-2289-01 through SB-F10-2289-04	SB-F10-2289-01	Group B E&E materials were detected at SB-F10-2289-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1			1	1	1							1	1			
F10-2323	1	Heater House	Wooden construction; steam pipe vents on S side to 7" diameter area of stressed vegetation; concrete foundation.	SB-F10-2323-01 through SB-F10-2323-05	SB-F10-2323-02 SB-F10-2323-05	Sampling location SB-F10-2323-05 determined using professional judgement; Group B E&E materials were detected at SB-F10-2323-02 using and Expray Test Kit		2	2		2	2	2							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
F10-2356	1,7	NC Block Breaker	Concrete constructed breaker house-concrete floors and walls; Two associated control houses with >7 lines of conduit running from each bldg; floor drains drain to sump at SW loading area; No evidence of a release	SB-F10-2356-01 through SB-F10-2356-12	SB-F10-2356-04 SB-F10-2356-06 SB-F10-2356-07 TP-F10-2356-12	Sampling location SB-F10-2356-04 determined using professional judgement; Group B E&E materials were detected at SB-F10-2356-06/07 using and Expray Test Kit. Test Pit location downgradient from sump. Analytical results did not detect elevated E&E concentrations.		4	3		4	4	4							2	2			
F10-2356A	4	NC Block Breaker Control Room	Control Room associated with Block Breaker House; Location determined from historical maps			This AOC has been sampled as part of F10-2356																		
F10-3	5	Tank Cradles	Concrete tank cradles-60% on S side mounted on concrete pad; 40% on N end not mounted on concrete pad; 6" pipe with valve at end extends out of ground; concrete catch pit also present; No evidence of release	SB-F10-3-01 through SB-F10-3-07	SB-F10-3-01 SB-F10-3-07	Sampling location SB-F10-3-01 was determined using professional judgement; Sampling location SB-F10-3-07 was determined using E&E screening; Group B E&E materials were detected at SB-F10-3-07	2	2			1	1	1							1	1	SVOCs, E&E		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F10-4	7	Waste Water Pit	Recently installed concrete block culverts with 12" corrugated pipe storm drains; connects path from PA6 to PA9; water becomes orange-red downstream of former tank storage area.			Pit to be sampled during surface water and sediment sampling phase																		

Table 2-9

A-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F10-460	3	Unknown	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-F10-460-01 through SB-F10-460-03	SB-F10-460-01	Sampling location SB-F10-460-01 was determined using XRF screening; Results indicated an lead concentration of1,690 ppm at SB-F10-460-01		1	1		1	1	1							1	1	Metals		Metals (5-9E & 5-22D)
F10-462	3	Dehydration House	Bldg demolished-evidence largely destroyed; No evidence of release (area=100 sq ft)	SB-F10-462-01 through SB-F10-462-03	SB-F10-462-01	Group B E&E materials were detected at SB-F10-462-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1			
F10-464	3	Dehydration House	Bldg demolished-only concrete foundation remains; 2 -3" diameter pipes extend into foundation at SW corner. No evidence of release.	SB-F10-464-01 through SB-F10-464-05	SB-F10-464-01 SB-F10-464-05	Group B E&E materials were detected at SB-F10-464-01/05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1			
F10-5	1	Solvent Recovery Air Dryer Shed	Currently empty; wooden construction; 1" pipe enters E side exits on W. No evidence of a release.	SB-F10-5-01 through SB-F10-5-03	SB-F10-5-01	Group B E&E materials were detected at SB-F10-5-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	1				1	1	1							1	1			
F10-7	9	Stressed Vegetation	Gray-brown discolored soil between cotton weigh house and 9116 tank storage area; very soft consistency; adjacent wet area (area=100 sq ft)	SB-F10-7-01 through SB-F10-7-03	SB-F10-7-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1									1	1	1	Metals		Metals (5-9E & 5-22D)
F10-8	1	Control House	Small wooden house over concrete foundation; >15 conduit lines lead in from 2356; small empty wooden shed on SE side. No evidence of release.	SB-F10-8-01 through SB-F10-8-04	SB-F10-8-01 SB-F10-8-04	Sampling location SB-F10-8-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-8-04		2	2										1	1			
F10-8237	1,5	Process Control Center	Wooden and corrugated sheet metal construction-office bldg, computers present; storage shed off N corner with tank cradles present-tank removed. Septic tank associated with the building. No evidence of release.	SB-F10-8237-01 through SB-F10-8237-07 TP-F10-8237A-01	SB-F10-8237-04 SB-F10-8237-05 TP-F10-8237A-01	Group B E&E materials were detected at SB-F10-8237-04/05 using an Expray Test Kit Test Pit location downgradient from septic	1	3	2		2	2	2							2	2		E&E	E&E (5-9C & 5-22C)
F10-8274	3	Pump House	Bldg demolished-concrete pad and associated piping remains; small catch cylinder present on S side No evidence of release	SB-F10-8274-01 through SB-F10-8274-04	SB-F10-8274-02 SB-F10-8274-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1			
F10-8564	1,5	Chlorinator House # 3	Concrete block construction; chlorine feed line from adjacent F10-8569. No evidence of release.	SB-F10-8564-01 through SB-F10-8564-04	SB-F10-8564-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
F10-8569	1,5	Chlorinator Feed House	Wooden storage shed; chlorinator feed to 8564; one of four tanks indicated as leaking.	SB-F10-8569-01 through SB-F10-8569-04	SB-F10-8569-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F10-9	10	Transformer	Black housing with some brown discoloration towards the bottom. No evidence of release.	SB-F10-9-01	SB-F10-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
F10-PA8	7	Waste Water Pit	Collection sump with associated float switches, pumps, and piping steel tank cast in concrete; wastewater odor; piping enters from tank storage area and powerhouse area; No evidence of release	SB-F10-PA8-01	SB-F10-PA8-01	Test Pit location placed between F10-PA8 and F10-PA9. Labeled F10-PA8	1				1	1	1							1	1		E&E SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F10-PA9	7	Waste Water Pit	Collection sump; 6" stainless pipe enters from PA8; fiberglass pipe exits-enters adjacent culvert; float switches, pumps present			Test Pit location placed between F10-PA8 and F10-PA9. Sampled as F10-PA8																		
F11-2016	1	Can Pack House	Sections of different construction- brick, wood, wood covered with corrugated sheet metal; loading area on SW side; heater unit and AC unit on NW side; no piping evident; No evidence of release	SB-F11-2016-01 through SB-F11-2016-08	SB-F11-2016-01 SB-F11-2016-06 SB-F11-2016-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	3	3			3	3	3							1	1		E&E, SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F8-1	3	Unknown	Bldg demolished; corners of foundation evident the rest covered by soil; 4" pipe into ground at S corner. No evidence of release.	SB-F8-1-01 through SB-F8-1-06	SB-F8-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1			
F8-11	8	Process Water/Slurry Lines	Stainless steel process water lines; labeled "slurry lines" from E9-2296 to E9-2338 and "process lines" from E9-2338 to F8-2107 Discharged to a catch box.			Pipeline removed, no evidence of release, therefore no samples were collected																		
F8-2	3	Unknown	Bldg. demolished; old concrete foundations evident in S and E; remainder covered by soil; sheet metal debris present possibly due to adjacent F8-2117	SB-F8-2-01 through SB-F8-2-05	SB-F8-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1			
F8-2107	1,7	Finishing Press (5-House Area)	Wooden and corrugated sheet metal construction with concrete foundation and interior concrete wall partitions; floor drain runs along NW side; uncovered heater equipment on NW side; loading area on SE side; No evidence of release	SB-F8-2107-01 through SB-F8-2107-05	SB-F8-2107-01 SB-F8-2107-02 SB-F8-2107-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	3	3			3	3	3							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F8-2116	1	Dry House	Wooden construction with sheet metal lined doors and walls; Rail loading area on W side; concrete foundation; No evidence of release	SB-F8-2116-01 through SB-F8-2116-10	SB-F8-2116-03 SB-F8-2116-07 SB-F8-2116-09 SB-F8-2116-10	Sampling locations SB-F8-2116-09/10 were determined using XRF screening; Results indicated a copper concentration of 842 ppm at SB-F8-2116-09 and a lead concentration of 543 ppm at SB-F8-2116-10. Group B E&E materials were detected at SB-F8-2116-03/07 using an Expray Test Kit	2	2			2	2	2							1	1	Metals	E&E SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F8-2117	1	Dry House	Bldg demolished-concrete rubble, charred timbers, beams, and metal debris remains; layer of green anti-static material evident beneath former floor; appears explosion occurred here; No evidence of release, but debris very scattered	SB-F8-2117-01 through SB-F8-2117-10	SB-F8-2117-07 SB-F8-2117-08	Sampling location SB-F8-2117-07 was determined using XRF screening; Results indicated an arsenic concentration of 153 ppm at SB-F8-2117-07 Group B E&E materials were detected at SB-F8-2117-08 using an Expray Test Kit	1	1			1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
F8-2118	1,7	Dry House	Wood and corrugated metal over concrete foundation; concrete with wooden rail loading area on NW side; additional loading area to SE side; floor drains lead to catch tank through concrete gutter; catch tank at W corner (Catch tank sampled and removed during Single Phase Remediation effort). No evidence of release.	SB-F8-2118-01 through SB-F8-2118-10	SB-F8-2118-02 SB-F8-2118-10	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	2	2			2	2	2							1	1	Metals	E&E SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)

Table 2-9

A-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F8-2144	1,7	Heater Pad	Concrete pad with heater equipment and appurtenances; no housing for equipment; drainage leads to adjacent culvert; stressed vegetation along drainage path to culvert	SB-F8-2144-01 through SB-F8-2144-06	SB-F8-2144-03 SB-F8-2144-04 SB-F8-2144-06	Sampling locations SB-F8-2144-03/06 were determined using XRF screening; Results indicated a lead concentration of 421 ppm at SB-F8-2144-03 and 1,732 at SB-F8-2144-06. Group B E&E materials were detected at SB-F8-2144-04 using an Expray Test Kit		2	2		1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
F8-2150	1	Heater House	Wooden construction with corrugated sheet metal over concrete foundation; stressed vegetation leads from steam pipes which protrude from S corner-area extends past RR line on SE side of G8-2116	SB-F8-2150-01 through SB-F8-2150-05	SB-F8-2150-02 SB-F8-2150-05	Sampling location SB-F8-2150-02 was determined using professional judgement; Sampling location SB-F8-2150-05 was determined using XRF screening; Results indicated a lead concentration of 719 ppm at SB-F8-2150-05		2	2											1	1	Metals		Metals (5-9E & 5-22D)
F8-2151	1	Heater House	Wooden and corrugated steel covering over concrete foundation; large footers inside for supporting mechanical equipment; stressed vegetation to NE and E of bldg	SB-F8-2151-01 through SB-F8-2151-06	SB-F8-2151-01 SB-F8-2151-06	Sampling location SB-F8-2151-06 was determined using professional judgement; Sampling location SB-F8-2151-01 was determined using XRF screening; Results indicated a copper concentration of 1,235 ppm at SB-F8-2151-01. Analytical results did not detect elevated metal concentrations.		2	2											1	1			
F8-2152	1	Control/Heater House	Small control house next to heater mounted on steel I-beam; No evidence of release	SB-F8-2152-01 through SB-F8-2152-04	SB-F8-2152-02	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 4,600 ppm at SB-F8-2152-02. Analytical results did not detect elevated metal concentrations.		1	1											1	1		SVOCs	SVOCs (5-9B & 5-22B)
F8-2207	1,7	Press/Cut House	Corrugated metal house overlain by soil; acetone/alcohol feedlines from G8-3; floor drains lead to 8562A; large berm to W. No evidence of a release.	SB-F8-2207-01 through SB-F8-2207-04	SB-F8-2207-01 SB-F8-2207-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	Metals		Metals (5-9E & 5-22D)
F8-2208	1,7	Mix House # 2	Corrugated metal house overlain by soil; concrete gutter in front leads to adjacent 8562 A; large berm to W; No evidence of release	SB-F8-2208-01 through SB-F8-2208-04	SB-F8-2208-01 SB-F8-2208-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1			
F8-3	9	Stressed Vegetation	Pile of green anti-static material; no vegetation present (area=100 sq ft)	SB-F8-3-01 through SB-F8-3-03	SB-F8-3-01	Sampling location SB-F8-3-01 was determined using XRF screening; Results indicated a copper concentration of 622 ppm at SB-F8-3-01. Analytical results did not detect elevated metal concentrations.		1	1										1	1	1			
F8-4	3	Unknown Foundations	Concrete pads; W pad has cast-in-place rebar. Bldgs demolished. No evidence of release (area=200 sq ft).	SB-F8-4-01 through SB-F8-4-03	SB-F8-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
F8-5	10	Transformer	Dark gray colored transformer; housing-slight discoloration, minor staining on soil/stone beneath; No evidence of release	SB-F8-5-01	SB-F8-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1									1	1			
F8-563D	3	Change House	Dilapidated old concrete foundation; rest of former bldg demolished. No evidence of release.	SB-F8-563D-01 through SB-F8-563D-05	SB-F8-563D-02	Sampling location SB-F8-563D-02 was determined using XRF screening; Results indicated a copper concentration of 1,370 ppm at SB-F8-563D-02. Analytical results did not detect elevated metal concentrations.		1	1											1	1	SVOCs		SVOCs (5-9B & 5-22B)
F8-567	3	Final Mix House	Bldg demolished; concrete rubble at N end; No evidence of release	SB-F8-567-01 through SB-F8-567-05	SB-F8-567-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
F8-573	3	Chemical Store House	Bldg demolished-minimal evidence of former store house; No evidence of release (area=100 sq ft)	SB-F8-573-01 through SB-F8-573-03	SB-F8-573-02	Group B E&E materials were detected at SB-F8-573-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1							1	1	SVOCs		SVOCs (5-9B & 5-22B)
F8-575	3	Grinder House	Bldg demolished-concrete pad and bldg debris remain; No evidence of a release	SB-F8-575-01 through SB-F8-575-04	SB-F8-575-02 SB-F8-575-04	Sampling location SB-F8-575-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F8-575-04		2	2		2	2	2							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F8-8	10	Transformer	Mounted to telephone pole; gray discoloration on black housing; No evidence of release in soil beneath	SB-F8-8-01	SB-F8-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1									1	1			
F8-8562A	7	C-Line Sump	Concrete sump with wooden shed built over top; currently filled with water. No evidence of a release.	TP-F8-8562A-01	TP-F8-8562A-01	Test Pit location was placed downgradient from the Pit.		1			1	1	1							1	1			
F8-9	3	Diphenylamine Mix House	Bldg demolished-only concrete rubble remains; No evidence of release (area=100 sq ft)	SB-F8-9-01 through SB-F8-9-03	SB-F8-9-02	Sampling location SB-F8-9-02 was determined using XRF screening; Results indicated an arsenic concentration of 148 ppm at SB-F8-9-02		1	1		1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
F8-A5	3	Mix House Scrap Shed	Bldg demolished-evidence of shed largely removed; No evidence of release (area=100 sq ft)	SB-F8-A5-01 through SB-F8-A5-03	SB-F8-A5-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F8-A9	3	Scrap Shed	Clearly defined area of aggregate where bldg formerly stood. Bldg demolished. No evidence of a release (area=100 sq ft).	SB-F8-A9-01 through SB-F8-A9-03	SB-F8-A9-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F8-PA1/PA2	7	Waste Water Pit	Concrete culvert with 4" outlet pipe on SE side; Unable to view circular structure; No evidence of release	TP-F8-PA1/PA2-01	TP-F8-PA1/PA2-01	Test Pit location was placed downgradient from the Pit.	1	1			1	1	1							1	1			
F9-1	4	Former Solvent Recovery House	Bldg demolished, area largely vegetated, minimal evidence of extent of recovery house; minor amounts of bldg debris present; No evidence of release	SB-F9-1-01 through SB-F9-1-05	SB-F9-1-04 SB-F9-1-01	Group B E&E materials were detected at SB-F9-1-04 using an Expray Test Kit. A confirmation sample was collected at SB-F9-1-01	2	2	2		2	2	2							1	1		SVOCs, E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-16	3	Unknown Foundation	Large concrete pad foundation-former bldg demolished 12 ' pipe enters the ground along SE side; currently G9-6 built on former bldg pad, a control house for F9-2109; No evidence of release	SB-F9-16-01 through SB-F9-16-05	SB-F9-16-04 SB-F9-16-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1		SVOCs, E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2104	1	Premix Rest House	Wooden and corrugated sheet metal construction; steam pipe enters E corner; drum of potassium sulfate inside; No evidence of release	SB-F9-2104-01 through SB-F9-2104-06	SB-F9-2104-03	Group B E&E materials were detected at SB-F9-2104-03 using an Expray Test Kit					1	1	1							1	1			

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Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F9-2105	1,7	Final Mix House	Wooden construction with concrete separation walls; floor drains to NW side; alcohol and acetone feed lines along the NW side-feed from the S corner extend to SW; electrical control room on W side. Sump associated with the building. No evidence of release.	SB-F9-2105-01 through SB-F9-2105-06 TP-F9-2105-07	SB-F9-2105-01 SB-F9-2105-05 TP-F9-2105-07	Group B E&E materials were detected at SB-F9-2105-01 using an Expray Test Kit. XRF screening results indicated a copper concentration of 621 ppm at SB-F9-2105-05. Test Pit location downgradient from sump.		3	2		3	3	3							2	2	SVOCs, E&E, Metals		Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2105A	1	Control Room	Steel encased concrete circular control room; electrical controls inside; cutter, wiring, camera, lights, control switches evident No evidence of release.	SB-F9-2105A-01 through SB-F9-2105A-04	SB-F9-2105A-01 SB-F9-2105A-04	Sampling location SB-F9-2105A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F9-2105A-04		2	2		1	1	1							1	1	E&E	SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2105B	3	Unknown Foundation	Large concrete pad foundation-former bldg demolished. Similar footprint to adjacent 2105; green anti-static material present. No evidence of release.	SB-F9-2105B-01 through SB-F9-2105B-05	SB-F9-2105B-01	Sampling location SB-F8-2105B-01 was determined using XRF screening; Results indicated an copper concentration of1,590 ppm at SB-F8-2105B-01		1	1		1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
F9-2106	1,7	Block Press House	Concrete block and corrugated sheet metal and fiberglass construction; heater equipment and "pit" on N corner-posted as "Confined space"; steps lead into dark basement area; Thick-walled control structure on S corner directed to central press area; walkways adjacent	SB-F9-2106-01 through SB-F9-2106-04	SB-F9-2106-04	Group B E&E materials were detected at SB-F9-2106-04 using an Expray Test Kit		1	1		1	1	1							1	1	SVOCs, E&E		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2109	1,7	Press House (7 House)	Wooden and corrugated sheet metal construction with concrete separation walls and concrete foundation; floor drains on SE side leads to sump; press bays on NW side; boarding and cutting bays on SE side; floor drains dilapidated-potential release	SB-F9-2109-01 through SB-F9-2109-08 TP-F9-2109-09	SB-F9-2109-01 SB-F9-2109-05 SB-F9-2109-08 TP-F9-2109-09	Group B E&E materials were detected at SB-F9-2109-01/05/08 using an Expray Test Kit Test Pit location placed downgradient from sump		4	3		4	4	4							2	2	E&E	SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2109A	1	Control House	Wooden construction over former concrete foundation; conduit leads to F9-2109; conveyor belt controls indicated on interior wall. No evidence of release.	SB-F9-16-01 through SB-F9-16-05	SB-F9-16-04 SB-F9-16-05	This AOC is located on the foundation of F9-16, and was sampled as part of F9-16																	SVOCs, E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2109C	1	DIGL-RIP Block Conditioning Bldg	Sheet metal construction over concrete pad foundation-recent construction; large oven inside-listed as DIGL-RIP flammable; Listed for following: diethylene glycol, dinitrate NC, ethyl alcohol, acetone; stressed vegetation near W corner	SB-F9-2109C-01 through SB-F9-2109C-05	SB-F9-2109C-01 SB-F9-2109C-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	E&E, SVOCs		SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-2109D	1	Heater House	Wooden framed and sided heater house on concrete foundation; Steam pipe vents at W corner; Bottle storage area along SE side. No evidence of release.	SB-F9-2109D-01 through SB-F9-2109D-05	SB-F9-2109D-02 SB-F9-2109D-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals	SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
F9-2251/ 2254	1	Control House	Corrugated steel bldg-conduit leads to SW end of 2107; Concrete foundation. No evidence of release.	SB-F9-2251-01 through SB-F9-2251-04	SB-F9-2251-03 SB-F9-2251-01	Sampling location SB-F9-2251-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F9-2251-01		2	2											1	1		SVOCs	SVOCs (5-9B & 5-22B)
F9-2276	2	Control House	Steel walls on front and cylindrical structures on SE corners; corrugated sheet metal "bunkers" overlain by soil; No evidence of a release	SB-F9-2276-01 through SB-F9-2276-03	SB-F9-2276-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F9-2279	1	Air Compressor/Dryer House	Sheet metal and fiberglass over wood; air compressor/dryer evident in fiberglass enclosed SW half of structure; No evidence of release	SB-F9-2279-01 through SB-F9-2279-04	SB-F9-2279-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F9-3	10	Transformer	Gray colored transformer housing; minor area of dark-brown to red discolored soil at base of telephone pole. Transformer housing appears intact	SB-F9-3-01	SB-F9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
F9-4	5	Alcohol Tanks	Tanks/tank cradles removed; No evidence of a release	SB-F9-4-01 through SB-F9-4-03	SB-F9-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1			
F9-5	3	Unknown	Bldg demolished; area clear of vegetation; ground stake present; wood, brick bldg debris present No evidence of release (area=100 sq ft)	SB-F9-5-01 through SB-F9-5-03	SB-F9-5-03	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-F09-5-03 using an Expray Test Kit		1	1		1	1	1							1	1		E&E, SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-558A	4	Dehydrator	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=500 sq ft)	SB-F9-558A-01 through SB-F9-558A-04	SB-F9-558A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
F9-563	4	Pre-Mix Store House	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-F9-563-01 through SB-F9-563-03	SB-F9-563-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-9E & 5-22D)
F9-611	4	Pump House	Bldg demolished-minimal evidence of former pump house; No evidence of release (area=100 sq ft)	SB-F9-611-01 through SB-F9-611-03	SB-F9-611-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		SVOCs	SVOCs (5-9B & 5-22B)
F9-7	3	Unknown Concrete Pad	Recently constructed concrete pad with pressure valves, pressure indicator and 1" piping; possible former tank present; possibly not completed or barely used. No evidence of release.	SB-F9-7-01 through SB-F9-7-04	SB-F9-7-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
F9-8	7	Unknown Trailer Loading Pad	Trailer loading/unloading area; recently poured concrete foundation with PVC draining pipe on NW side; No evidence of release	SB-F9-8-01 through SB-F9-8-05	SB-F9-8-02 SB-F9-8-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-8188	3	Unknown Shed	Bldg demolished; area of gravel and no vegetation indicates location of former shed; vegetation returning No evidence of release (area=100 sq ft)	SB-F9-8188-01 through SB-F9-8188-03	SB-F9-8188-01	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-F09-8188-01 using an Expray Test Kit		1	1		1	1	1							1	1		E&E	E&E (5-9C & 5-22C)
F9-9	7	Unknown Containment Basin	Concrete containment basin-recently constructed; probably tank storage area; drainage pipe on N corner. No evidence of release.	SB-F9-9-01 through SB-F9-9-05	SB-F9-9-01 SB-F9-9-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	SVOCs	E&E	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-A10	4	Press House Scrap Shed	Bldg demolished; No evidence of release (area=100 sq ft)	SB-F9-A10-01 through SB-F9-A10-03	SB-F9-A10-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			

Table 2-9

A-Line Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
F9-A3	4	New Premix Scrap Shed	Bldg demolished-minimal evidence of former shed; No evidence of release (area=100 sq ft)	SB-F9-A3-01 through SB-F9-A3-03	SB-F9-A3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
F9-A4	4	Dehydration Scrap Shed	Bldg demolished-minimal evidence of former shed; No evidence of release (area=100 sq ft)	SB-F9-A4-01 through SB-F9-A4-03	SB-F0-A4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals, SVOCs		Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
F9-A5	1	Unknown Shed	Corrugated sheet metal over wooden frame construction, storage only; two 4' x 6' sheds; No evidence of release	SB-F9-A5-01 through SB-F9-A5-04	SB-F9-A5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-9E & 5-22D)
F9-A6	3	Block Press House Scrap Shed	Bldg demolished; area of brown colored grass; No evidence of release (area=100 sq ft)	SB-F9-A6-01 through SB-F9-A6-03	SB-F9-A6-01	Group B E&E materials were detected at SB-F9-A6-01 using an Expray Test Kit		1	1		1	1	1							1	1	E&E	SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
F9-C1	1	Press House Scrap Shed	Wooden construction over wooden foundation-temporary storage only- storage of "6 blocks/ 6 tubs". No evidence of release.	SB-F9-C1-01 through SB-F9-C1-04	SB-F9-C1-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		SVOCs	SVOCs (5-9B & 5-22B)
F9-PA3	7	Collection Pit	Culvert leads in from A1/A2 and out to A4; feed in from 2106; No evidence of release			This AOC has not yet been sampled																		
F9-PA4	7	Waste Water Pit	Two pipes enter from NW side, one from SW side; No evidence of release	TP-F9-PA4-01	TP-F9-PA4-01	Test Pit location was placed downgradient from the Pit.		1			1	1	1							1	1	E&E		E&E (5-9C & 5-22C)
F9-PA5	7	Waste Water Pit	4' x 4' concrete block box; collection from N and W; drainage to PA6; No evidence of release	TP-F9-PA5-01	TP-F9-PA5-01	Test Pit location was placed downgradient from the Pit.		1			1	1	1							1	1			
F9-PA6	7	Collection Pit	Concrete-encased steel-lined WW sump; multiple pipes enter N side; one drainage pipe exists on S side; screen present; No evidence of release	TP-F9-PA6-01	TP-F9-PA6-01	Test Pit location was placed downgradient from the Pit.		1			1	1	1							1	1		E&E	E&E (5-9C & 5-22C)
G7-1	4	Unknown Concrete Pads	Bldg demolished; former evidence removed; No evidence of a release.	SB-G7-1-01 through SB-G7-1-05	SB-G7-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals	SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
G7-2	3	Unknown	Bldg demolished; largely vegetated somewhat wooded area; debris present-wood, concrete, steel, 1" diameter pipe; area cut out of hill. No evidence of release.	SB-G7-2-01 through SB-G7-2-05	SB-G7-2-04 SB-G7-2-01	Sampling location SB-G7-2-04 was determined using XRF screening Results indicated a lead concentration of 638 ppm. A confirmation sample was collected at SB-G07-2-01		2	2		2	2	2							1	1			
G7-2115	1	Dry House	Wooden construction with sheet metal-lined walls and doors; Rail loading area on W side; stressed vegetation on W side-slag and green anti-static bldg material present; concrete foundation	SB-G7-2115-01 through SB-G7-2115-08	SB-G7-2115-04 SB-G7-2115-06 SB-G7-2115-07	Sampling location SB-G07-2115-06 was determined using professional judgement; Sampling locations SB-G07-2115-04/07 were determined using XRF screening; Results indicated a lead concentration of 803 ppm at SB-G07-2115-04; and a copper concentration of 619 ppm and an arsenic concentration of 321 ppm at SB-G07-2115-07		3	3		3	3	3							1	1	Metals, E&E, SVOCs		Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G7-2149	1	Heater House	Wooden bldg on concrete foundation; area of slag possibly stressed vegetation on E side; electrical control box present; concrete footers inside bldg	SB-G7-2149-01 through SB-G7-2149-04	SB-G7-2149-01 SB-G7-2149-04	Sampling location SB-G07-2149-01 was determined using professional judgement; Sampling location SB-G07-2149-04 was determined using XRF screening; Results indicated an arsenic concentration of 329 ppm at SB-G07-2149-04		2	2											1	1	Metals	SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
G7-2164	1	Old Barrel Coating	Wooden structure over concrete block foundation; Rail and truck loading areas; No evidence of release	SB-G7-2164-01 through SB-G7-2164-07	SB-G7-2164-01 SB-G7-2164-05 SB-G7-2164-07	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 278 ppm at SB-G07-2164-01 and 282 ppm at SB-G07-2164-05. Other location sampled using professional judgement.		2	2		2	2	2							1	1	Metals, SVOCs	E&E	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G7-58	3	Smokeless Supply Store	Bldg demolished; old concrete and stone wall present on NW side scrap metal, brick, and rebar remains. No evidence of release.	SB-G7-58-01 through SB-G7-58-05	SB-G7-58-04 SB-G7-58-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G07-58-01					2	2	2							1	1		E&E	E&E (5-9C & 5-22C)
G8-2110	1	Cut Powder Store	Wooden bldg constructed on concrete footers; rail loading area; on NE side; 1' x 1' duct work vent on NW side; No evidence of release.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials found to be present using an Expray Test Kit																E&E*		E&E (5-9C & 5-22C)
G8-2114	3	Dry house	Bldg demolished-gravel and vegetation covered area remains; concrete loading area present; stressed vegetation present off S corner with green anti-static material present	SB-G8-2114-01 through SB-G8-2114-06	SB-G8-2114-03 SB-G8-2114-06	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 164 ppm at SB-G08-2114-03 and a copper concentration of 9,950 ppm at SB-G08-2114-06		2	2		2	2	2							1	1	Metals, E&E, SVOCs		Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G8-2148	4	Unknown	Bldg demolished-evidence of former bldg removed; No evidence of release (area=100 sq ft)	SB-G8-2148-01 through SB-G8-2148-03	SB-G8-2148-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
G8-2204	3	AP Pulverizer	Bldg demolished; rebar present indicates location of former berm. No evidence of release.	SB-G8-2204-01 through SB-G8-2204-05	SB-G8-2204-05 SB-G8-2204-03	Sampling location SB-G8-2204-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-2204-03		2	2		2	2	2							1	1			
G8-2209	1,7	Control House	Concrete block control house-controls for mixer/hot water transformer/mixer tilt drive. Concrete gutter on NE side leads to 8562 (Catch Tank House). No evidence of a release.	SB-G8-2209-01 through SB-G8-2209-05	SB-G8-2209-01 SB-G8-2209-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals		Metals (5-9E & 5-22D)
G8-2210	2	Halfway House	Corrugated metal cylinder overlain with soil; adjacent to 2249 loading area to E; alcohol and acetone feedlines enter front entrance from G8-3. No evidence of release	SB-G8-2210-01 through SB-G8-2210-03	SB-G8-2210-02 SB-G8-2210-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	E&E	SVOCs	SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G8-2249	2,7	Unknown	Corrugated metal cylindrical bldg overlain by soil; concrete gutter leads to Catch Tank house (8562); lead floor. No evidence of release.	SB-G8-2249-01 through SB-G8-2249-03	SB-G8-2249-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals	E&E	Metals (5-9E & 5-22D), E&E (5-9C & 5-22C)
G8-2260	4	Unknown	Bldg demolished-evidence largely removed; No evidence of release (area=100 sq ft)	SB-G8-2260-01 through SB-G8-2260-03	SB-G8-2260-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
G8-3	1	Chemical Storage Shed	Alcohol and acid storage shed feedlines to 2210 and 2207; concrete foundation, wood, and corrugated fiberglass walls, wood roof. No evidence of release.	SB-G8-3-01 through SB-G8-3-04	SB-G8-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	VOCs		VOCs (5-9A & 5-22A)
G8-5	10	A-Line Substation	A-Line/Finishing Area substation. Switches listed for each area; minimal vegetation present within fence area.	SB-G8-5-01 through SB-G8-5-04	SB-G8-5-01 SB-G8-5-02	Sampling location SB-G8-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-5-02					2									1	1			

Table 2-9

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AOC Designation	AOC Type	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
G8-8562	7	C-Line Sumps	Concrete sump with wooden shed over top; currently filled with water. No evidence of release.	TP-G8-8562-01	TP-G8-8562-01	Test Pit location was placed downgradient from sump		1			1	1	1							1	1			
G8-C3	4	C-Line Scrap Shed	Bldg demolished-minimal evidence of shed; No evidence of release (area=100 sq ft)	SB-G8-C3-01 through SB-G8-C3-03	SB-G8-C3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
G8-F7	4	Dry House 1 & 2 Scrap Shed	Bldg demolished-evidence largely removed; No evidence of release (area=100 sq ft)	SB-G8-F7-01 through SB-G8-F7-03	SB-G8-F7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1			
G9-14	10	Transformer	Black housing with minor weathering and discoloration evident; No staining at base of pole. No evidence of release.	SB-G9-14-01	SB-G9-14-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
G9-2108	3	Repair Shop	Sheet metal construction over 1' x 1' concrete footer; steam pipe on NW/SE sides. No evidence of release.	SB-G9-2108-01 through SB-G9-2108-06	SB-G9-2108-02 SB-G9-2108-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	Metals	SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
G9-2123	1	Chemical Weigh House	Wooden and corrugated sheet metal construction over concrete block foundation; loading door in front; 3" diameter duct vent on SW side; walkway adjacent to 9322; minor amount of stressed soil under duct vent. No evidence of release.	SB-G9-2123-01 through SB-G9-2123-06	SB-G9-2123-01 SB-G9-2123-05	Sampling location SB-G09-2123-05 was determined using professional judgement; Sampling location SB-G09-2123-01 was determined using XRF screening; Results indicated an arsenic concentration of 173 ppm at SB-G09-2123-01	2	2	2											1	1	Metals, SVOCs		Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B)
G9-3	5	Former Tanks	Tank/cradles removed-largely vegetated area; minimal evidence of former tank present; No evidence of release	SB-G9-3-01 through SB-G9-3-03	SB-G9-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	SVOCs		SVOCs (5-9B & 5-22B)
G9-7	9	Unknown Pond	Pond filled in: largely vegetated with significant ponded water present. No evidence of release (area=18,000 sq ft).	SB-G9-7-01 through SB-G9-7-20	SB-G9-7-05 SB-G9-7-11	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	Metals	E&E, SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G9-9322	1	Chemical Storage	Corrugated sheet metal and wooden construction on concrete footers; loading areas on NW/SE side; No evidence of release	SB-G9-9322-01 through SB-G9-9322-06	SB-G9-9322-02 SB-G9-9322-04	Sampling location SB-G09-9322-02 was determined using professional judgement; Sampling location SB-G09-9322-04 was determined using E&E screening; Group B E&E materials were detected at SB-G09-9322-04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	2	2	2		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-9E & 5-22D), SVOCs (5-9B & 5-22B), E&E (5-9C & 5-22C)
G9-A11	4	Machine Scrap Shop Shed	Bldg removed, paved area indicates former location; No evidence of release (area=100 sq ft)	SB-G9-A11-01 through SB-G9-A11-03	SB-G9-A11-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1		SVOCs	SVOCs (5-9B & 5-22B)

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

***** = AOC reserved for RI due to presence of contamination
****** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

All screening samples were evaluated for VOCs, Metals, and E&E compounds.

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-10

Finishing Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
H7-2172A	1	Heater House	Wooden structure on concrete foundation; asbestos-covered vent on W side; steam drain on NW corner	SB-H7-2172A-01 through SB-H7-2172A-05	SB-H7-2172A-03 SB-H7-2172A-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		2	2											1	1			
H7-642B	3	Unknown	Bldg demolished; no evidence of its existence except some unleveled ground. No evidence of a release (area =100 sq ft).	SB-H7-642B-01 through SB-H7-642B-03	SB-H7-642B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
H8-2171	1	PETN Lactose Dryer	Wood and ceramic structure; foundation larger than bldg. Floor drain with old foundation to NW corner and pipe into ground off of foundation to NW; loading door to E and two potential loading doors to the S; duct from heater house to the N; surrounded by a berm; No evidence of a release	SB-H8-2171-01 through SB-H8-2171-06	SB-H8-2171-01 SB-H8-2171-03 SB-H8-2171-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling		3	3		3	3	3							1	1			
H8-2291	1	PETN Lactose Dryer Heater House	Wooden bldg. on a concrete foundation; Drain in SW corner that has stained the ground brown; Duct from W corner to PETN lactose dryer; Lab and dryer bldgs. are within a berm	SB-H8-2291-01 through SB-H8-2291-04	SB-H8-2291-02 SB-H8-2291-04	Sampling location SB-H8-2291-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H8-2291-04.		2	2		2	2	2							1	1			
H8-558	4	Blender House	Bldg. Demolished-no evidence of existence	SB-H8-558-01 through SB-H8-558-05	SB-H8-558-03 SB-H8-558-04	Sampling location SB-H8-558-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H8-558-04.		2	2		2	2	2							1	1			
H8-564	4	Rest House	Bldg. Demolished and area regraded; No evidence of a release (area=100 sq ft)	SB-H8-564-01 through SB-H8-564-03	SB-H8-564-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1			
I10-1	3	Heater House	Three concrete footers with protruding rebar adjacent to I10-550; largely vegetated area. No evidence of a release (area=100 sq ft).	SB-I10-1-01 through SB-I10-1-03	SB-I10-1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
I10-2	3	Unknown	Only two concrete footers remain. No evidence of a release (area=100 sq ft)	SB-I10-2-01 through SB-I10-2-03	SB-I10-2-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 666 ppm at SB-I10-2-02.		1	1		1	1	1							1	1	Metals		Metals (5-10E & 5-23C)
I10-2079	4	Titan Cast House	Largely vegetated area-evidence of bldg removed; No evidence of a release	SB-I10-2079-01 through SB-I10-2079-05	SB-I10-2079-02 SB-I10-2079-05	Sampling location SB-I10-2079-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I10-2079-05.		2	2		2	2	2							1	1		E&E	E&E (5-10C & 5-23B)
I10-2080	3	Lunch Shed	Vegetation present at former location of lunch shed. Minimal evidence of former foundation. No evidence of a release (area=200 sq ft)	SB-I10-2080-01 through SB-I10-2080-03	SB-I10-2080-01 SB-I10-2080-02	Sampling location SB-I10-2080-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I10-2080-02.		2	2											1	1		SVOCs	SVOCs (5-10B & 5-23A)
I10-2121	3	Dry House	Vegetation present; No evidence of a release (area=100 sq ft)	SB-I10-2121-01 through SB-I10-2121-03	SB-I10-2121-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1			
I10-2122	3	Dry House	Bldg demolished; only concrete foundation remains; minor amounts of sheet metal, wood, rebar; old steam pipe. Minor evidence of a release- green concrete covered at SE corner (area=100 sq ft).	SB-I10-2122-01 through SB-I10-2122-03	SB-I10-2122-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1			
I10-2155	4	Dry House	Only vegetation present; No evidence of a release	SB-I10-2155-01 through SB-I10-2155-03	SB-I10-2155-02 SB-I10-2155-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I10-2155-02. A confirmation sample was collected at SB-I10-2155-03. Analytical results did not detect elevated E&E concentrations.					2	2	2							1	1			
I10-2156	3	Dry House	Vegetated area; No evidence of a release (area=100 sq ft)	SB-I10-2156-01 through SB-I10-2156-03	SB-I10-2156-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1			
I10-3	9	Stressed Vegetation	Stressed vegetation-green bldg material which covered concrete foundation (area=100 sq ft)	SB-I10-3-01 through SB-I10-3-02	SB-I10-3-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 11,310 ppm at SB-I10-3-02.	1	1												1	1	Metals		Metals (5-10E & 5-23C)
I10-550	3	Unknown	Square concrete foundation with protruding rebar; overgrown with vegetation. No evidence of a release.	SB-I10-550-01 through SB-I10-550-04	SB-I10-550-02	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 2,310 ppm at SB-I10-550-02.	1	1			1	1	1							1	1	Metals		Metals (5-10E & 5-23C)
I10-552	3	Unknown	Largely grass-covered with minor amounts of rubble present. No evidence of a release (area=800 sq ft).	SB-I10-552-01 through SB-I10-552-04	SB-I10-552-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1	Metals		Metals (5-10E & 5-23C)
I10-E50	4	Unknown	Only vegetation remains-evidence of bldg largely removed; No evidence of a release	SB-I10-E50-01 through SB-I10-E50-05	SB-I10-E50-05 SB-I10-E50-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I10-E50-05. A confirmation sample was collected at SB-I10-E50-01. Analytical results did not detect elevated E&E concentrations.	2	2			2	2	2							1	1	Metals		Metals (5-10E & 5-23C)
I7-12	10	Transformer	Telephone pole mounted; looks intact; No evidence of a release	SB-I7-12-01	SB-I7-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
I7-13	10	Electric Transformers	Two electric transformers on a telephone pole; transformers intact. No evidence of a release.	SB-I7-13-01 through SB-I7-13-02	SB-I7-13-01 SB-I7-13-02	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling				2										1	1			
I7-15	4	Blender House # 1	Bldg. Demolished-area bulldozed flat. Some broken foundation fragments. No evidence of a release.	SB-I7-15-01 through SB-I7-15-05	SB-I7-15-05 SB-I7-15-04	Sampling location SB-I7-15-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-15-04	2	2			2	2	2							1	1	SVOCs	E&E	SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I7-2124	1,7	Blender House	Wooden structure with catch tank on E side and a loading dock on the NE side; loading dock associated with narrow gage rail. Steam drain on SE side with brown staining; cartway on W side that connects blender to Shaker House.	SB-I7-2124-01 through SB-I7-2124-06	SB-I7-2124-04 SB-I7-2124-05 SB-I7-2124-06	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	3	3			3	3	3							1	1	Metals	E&E	Metals (5-10E & 5-23C), E&E (5-10C & 5-23B)
I7-2124A	1	Rest House	Wooden structure on concrete foundation; berm on the E and W. Loading area on NE corner. No evidence of a release.	SB-I7-2124A-01 through SB-I7-2124A-05	SB-I7-2124A-03 SB-I7-2124A-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling					2	2	2							1	1			
I7-2133A	3	Unknown	Bldg. Removed, five cement footers remain. Unknown use. No evidence of a release (area=300 sq ft).	SB-I7-2133A-01 through SB-I7-2133A-05	SB-I7-2133A-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I7-2133A-03	1	1			1	1	1							1	1	Metals, SVOCs, E&E		Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I7-2305/ 2280/8652	3	Unknown	Bldgs. Demolished-almost no evidence of existence; One depression that is probably a former bldg.	SB-I7-2305-01 through SB-I7-2305-03	SB-I7-2305-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I7-2305-02	1	1			1	1	1							1	1	SVOCs, E&E		SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)

Table 2-10

Finishing Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I7-3	3	Hand Sieve	Bldg. Demolished-slight depression; No evidence of a release (area=100 sq ft)	SB-I7-3-01 through SB-I7-3-03	SB-I7-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1		SVOCs	SVOCs (5-10B & 5-23A)
I7-4	4	Unknown	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-4-01 through SB-I7-4-03	SB-I7-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
I7-5	1	Gas Shed	Wooden shed used to store flammable liquids-two doors on W side. No evidence of a release.	SB-I7-5-01 through SB-I7-5-04	SB-I7-5-03	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 1,100 ppm at SB-I7-5-03.	1		1											1	1	Metals		Metals (5-10E & 5-23C)
I7-566	4	Rest House	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-566-01 through SB-I7-566-03	SB-I7-566-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1		E&E	E&E (5-10C & 5-23B)
I7-566A	4	Unknown	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-566A-01 through SB-I7-566A-03	SB-I7-566A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals		Metals (5-10E & 5-23C)
I7-567	3	Rest House	Bldg demolished; only broken foundations remain and old scrap metal. No evidence of a release.	SB-I7-567-01 through SB-I7-567-05	SB-I7-567-01 SB-I7-567-02	Sampling location SB-I7-567-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-567-02.					2	2	2							1	1			
I7-8181	1	Finishing Area Repair Shop	Wooden structure on thick concrete foundation. Shed-like structure on the W side and cement walkway on S side Bldg. May have had a different use in the past.	SB-I7-8181-01 through SB-I7-8181-05	SB-I7-8181-01 SB-I7-8181-04	Sampling location SB-I7-8181-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-8181-04.	2	2	2											1	1		SVOCs	SVOCs (5-10B & 5-23A)
I7-B59	4	Sieve House	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-B59-01 through SB-I7-B59-03	SB-I7-B59-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I8-2138/ 2139	3	Blender and Motor House	Bldgs. Demolished-only found one fragment of a foundation. No evidence of a release.	SB-I8-2138-01 through SB-I8-2138-03	SB-I8-2138-03	Sampling location SB-I8-2138-03 was determined using XRF screening; Results indicated an arsenic concentration of 785 ppm at SB-I8-2138-03		1	1		1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I8-2170	3	Unknown	Mostly vegetated-evidence of former bldg removed; No evidence of release	SB-I8-2170-01 through SB-I8-2170-05	SB-I8-2170-05 SB-I8-2170-04	Sampling location SB-I8-2170-05 was determined using professional judgement; Screening results did not warrant biased sampling SB-I8-2170-04.		2	2		2	2	2							1	1		E&E	E&E (5-10C & 5-23B)
I8-2299	3	Glaze House	Mostly vegetated; some concrete rubble present; No evidence of release	SB-I8-2299-01 through SB-I8-2299-05	SB-I8-2299-05 SB-I8-2299-03	Sampling location SB-I9-2299-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2299-03.		2	2		2	2	2							1	1			
I8-2328	1	Shaker House	Wood and concrete structure fully encased within a berm; loading docks to NW and SE; narrow gauge rail loading area in SW. No evidence of a release.	SB-I8-2328-01 through SB-I8-2328-08	SB-I8-2328-02 SB-I8-2328-07	Sampling location SB-I8-2328-07 was determined using professional judgement; Group B E&E material were detected at sampling location SB-I8-2328-02 using an Expray Test Kit		2	2		2	2	2							1	1		E&E	E&E (5-10C & 5-23B)
I8-2328A	1	Shaker House Rotoclone	Small wood structure on cinder block foundation; steam and water ducts from I8-2328. No evidence of a release.	SB-I8-2328A-01 through SB-I8-2328A-04	SB-I8-2328A-02 SB-I8-2328A-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I8-2328A-02. A confirmation sample was collected at SB-I8-2328A-03.		2	2		2	2	2							1	1	E&E	SVOCs	SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I8-2332	2	Unknown	Steel earth covered bldg. Associated with I8-2328; use unknown. No evidence of a release.	SB-I8-2332-01 through SB-I8-2332-03	SB-I8-2332-02 SB-I8-2332-01	Sampling location SB-I8-2332-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2332-01.		2	2		2	2	2							1	1			
I8-2333	2	Control House	Cylindrical corrugated steel with concrete foundation overlain by soil bunker. No evidence of release.	SB-I8-2333-01 through SB-I8-2333-03	SB-I8-2333-02 SB-I8-2333-03	Sampling location SB-I8-2333-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2333-03.		2	2											1	1	Metals		Metals (5-10E & 5-23C)
I8-2405	1	Ribbon Blender	Concrete walls and foundation; wooden walls and ceilings recent construction, somewhat unfinished; multiple loading areas slide on W side; shed and holding tank on E side; built over the following former bldgs: 594-B, 595-B, 596-B, 2329, and 2327. No evidence of release.	SB-I8-2405-01 through SB-I8-2405-07	SB-I8-2405-01 SB-I8-2405-05 SB-I8-2405-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		3	3		3	3	3							1	1		E&E	E&E (5-10C & 5-23B)
I8-2405A	4	Ribbon Blender Rotoclone Room	Building associated with with 2405, Ribbon Blender Location determined from historic maps	SB-I8-2405A-01 through SB-I8-2405A-04	SB-I8-2405A-02 SB-I8-2405A-01	Sampling location SB-I8-2405A-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2405A-01.		2	2		2	2	2							1	1			
I8-2409	1	Ribbon Blender Control Room	Control house-conduit enters corrugated steel cylindrical bldg. from S side. No evidence of release.	SB-I8-2409-01 through SB-I8-2409-04	SB-I8-2409-01 SB-I8-2409-04	Sampling location SB-I8-2409-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2409-04.		2	2											1	1			
I8-525	4	Unknown	Mostly vegetated-evidence of former bldg removed; No evidence of release	SB-I8-525-01 through SB-I8-525-04	SB-I8-525-03 SB-I8-525-04	Sampling location SB-I8-525-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-525-04.		2	2		2	2	2							1	1			
I8-560	4	Blender	Bldg. demolished; sparse evidence available; Several pieces of wood and one piece of scrap metal	SB-I8-560-01 through SB-I8-560-05	SB-I8-560-03 SB-I8-560-01	Sampling location SB-I8-560-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-560-01.		2	2		2	2	2							1	1			
I8-588(E)	3	Rest House	Mostly vegetated-concrete footers present; possible former heater house on S end; stressed vegetation-mostly slag on SE corner of bldg	SB-I8-588E-01 through SB-I08-588E-06	SB-I8-588E-03 SB-I8-588E-06	Sampling location SB-I8-588E-03 was determined using XRF screening; Results indicated a lead concentration of 1,397 ppm at SB-I8-588E-03			2		2	2	2							1	1	Metals		Metals (5-10E & 5-23C)
I8-8236	1,6	Finishing Area Canteen	Brick bldg. concrete foundation. Septic tank ~ 15' N of bldg. Possible stressed vegetation, brown stained soils, at NW corner adjacent to a steam drain (one sludge sample taken from septic during IRM effort).	SB-I8-8236-01 through SB-I8-8236-05 TP-I8-8236-06	SB-I8-8236-01 SB-I8-8236-05 TP-I8-8236-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling. Test Pit location placed downgradient from septic.	1	3	2											2	2		SVOCs	SVOCs (5-10B & 5-23A)
I8-9334	4	Unknown	Small bldg. based on map, probably used with I8-2328 Bldg. Demolished. No evidence of a release.	SB-I8-9334-01 through SB-I8-9334-03	SB-I8-9334-01 SB-I8-9334-02	Sampling location SB-I8-9334-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-9334-02.		2	2		2	2	2							1	1		E&E, SVOCs	SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I8-F2	4	Glaze Barrel Scrap Shed	Bldg demolished; No evidence of release (area=100 sq ft)	SB-I8-F2-01 through SB-I8-F2-03	SB-I8-F2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
I9-2	3	Heater House	Concrete pad where former heater house stood; Steam pipes from 2112 lead to pad; No evidence of a release	SB-I9-2-01 through SB-I9-2-03	SB-I9-2-01 SB-I9-2-02	Sampling location SB-I9-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2-02.		2	2											1	1		SVOCs	SVOCs (5-10B & 5-23A)

Table 2-10

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I9-2311	1,5	Dry House	Large concrete foundation with rebar and rail ties; ceramic debris with possible lead paint on NE end of foundation; currently ethyl alcohol tank supported by rail ties on foundation surrounded by large soil berm. Potential release-lead flooring present.	SB-I9-2311-01 through SB-I9-2311-08	SB-I9-2311-01 SB-I9-2311-06	Sampling locations were determined using an Expray Test Kit; Group B E&E materials were detected at SB-I9-2311-01/06					2	2	2							1	1		E&E	E&E (5-10C & 5-23B)
I9-2329	1,7	Unknown	New bldg built in location of former dry house; multiple loading areas; catch tank; concrete and wood construction. No evidence of a release. Sump associated with the building.	SB-I9-2329-01 through SB-I9-2329-06 TP-I9-2329-07	SB-I9-2329-04 SB-I9-2329-05 SB-I9-2329-06 TP-I9-2329-07	Sampling locations SB-I9-2329-04/06 were determined using professional judgement; Sampling location SB-I9-2329-05 was determined using XRF screening. Results indicated a lead concentration of 1,311 ppm at SB-I9-2329-05. Test Pit location placed downgradient of the sump.		4	3		4	4	4							2	2			
I9-2329A	1	Unknown	Wooden construction over concrete foundation. Possible storage for 2112; possible electric control house; grinders indicated on conduit. No evidence of a release.	SB-I9-2329A-01 through SB-I9-2329A-04	SB-I9-2329A-01 SB-I9-2329A-04	Sampling location SB-I9-2329A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2329A-04.		2	2		2	2	2							1	1			
I9-3	9	Debris Area	Miscellaneous debris which may have been decontaminated at 2311; pumps, section of PVC cable, electrical insulators, wire mesh screens, catch tanks, process equipment, mixing tanks, electrical induction motors, wooden cable spools (area=5,600 sq ft).	SB-I09-3-01 through SB-I09-3-13	SB-I9-3-01 SB-I9-3-03 SB-I9-3-05 SB-I9-3-07 SB-I9-3-09 SB-I9-3-11 SB-I9-3-13	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		7	7											1	1			
I9-5	3	Rest House	Largely vegetation and disturbed soil; berm on E side; foundation and bldg demolished. No evidence of release.	SB-I9-5-01 through SB-I9-5-05	SB-I9-5-01 SB-I9-5-05	Sampling location SB-I9-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-5-05.					2	2	2							1	1			
I9-515	4	Spent Acid Recovery	Bldg demolished; pine grove planted in former location; No evidence of a release	SB-I9-515-01 through SB-I9-515-05	SB-I9-515-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1	1		1	1	1					1	1	1	1			
I9-516	4	Unknown	Mostly vegetation, minor amounts of rubble, sheet metal present. No evidence of a release.	SB-I9-516-01 through SB-I9-516-05	SB-I9-516-04 SB-I9-516-02	Sampling location SB-I9-516-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-516-02.		2	2		2	2	2							1	1			
I9-519	4	Unknown	Bldg demolished; minimal evidence of former bldg; No evidence of release	SB-I9-519-01 through SB-I9-519-05	SB-I9-519-03 SB-I9-519-04	Sampling locations SB-I9-519-03/04 were determined using XRF screening; Results indicated a lead concentration of 1,136 ppm at SB-I9-519-03 and 2,327 ppm at SB-I9-519-04		2	2		2	2	2							1	1	Metals		Metals (5-10E & 5-23C)
I9-520	4	Unknown	Mostly vegetation, minor amounts of rubble present, two concrete footers. No evidence of a release.	SB-I9-520-01 through SB-I9-520-05	SB-I9-520-03 SB-I9-520-05	Sampling location SB-I9-520-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-520-05.		2	2		2	2	2							1	1			
I9-523	4	Unknown	Vegetation and macadam over former location of bldg.; No evidence of a release	SB-I9-523-01 through SB-I9-523-05	SB-I9-523-03 SB-I9-523-05	Sampling location SB-I9-523-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-523-05.	2	2			2	2	2							1	1		E&E, SVOCs	SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
I9-524	4	Unknown	Mostly vegetation, minor amounts of rubble present; No evidence of a release	SB-I9-524-01 through SB-I9-524-05	SB-I9-524-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 688 ppm at SB-I9-524-01.	1	1			1	1	1							1	1	Metals, E&E	SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
J10-587 (B)	3	Unknown	Concrete and brick present; No evidence of a release	SB-J10-587B-01 through SB-J10-587B-03	SB-J10-587B-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1	SVOCs		SVOCs (5-10B & 5-23A)
J6-2340	1	Can Pack House Rotoclone	Wooden structure used to house Rotoclone Particulate Filter. Duct on S side from J7-2133; Steam and possibly compressed air to the E. No evidence of a release.	SB-J6-2340-01 through SB-J6-2340-05	SB-J6-2340-02 SB-J6-2340-04	Sampling location SB-J6-2340-02 was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J6-2340-02; Sample location SB-J6-2340-04 was determined using XRF screening. Results indicated a lead concentration of 416 ppm at SB-J6-2340-04. Analytical results did not detect elevated E&E or metal concentrations.	2	2			2	2	2							1	1	SVOCs		SVOCs (5-10B & 5-23A)
J7-1	9	Graphite Pond	Former pond that received waste from Blender/Packer House J7-2281 J7-2282; pine trees in former pond; no water in former pond. No evidence of negative impact to the pond (area=18,000 sq ft).			This AOC has been reserved for the Remedial Investigation due to the presence of E&E materials																E&E*		E&E (5-10C & 5-23B)
J7-2	3	Unknown	Complex of unknown foundations. Some pyramidal footers. Bldg. extends to rail line-heavily overgrown. No evidence of a release.	SB-J7-2-01 through SB-J7-2-05	SB-J7-2-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J7-2-03	1	1	1		1	1	1							1	1	SVOCs, E&E		SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
J7-2133	1	Old Can Pack House	Wooden structure built on a possible rock foundation; narrow gauge rail line in S of bldg. three loading doors adjacent to rails; Bldg. is bermed. No evidence of a release.	SB-J7-2133-01 through SB-J7-2133-06	SB-J7-2133-01 SB-J7-2133-06	Sampling locations were determined by using XRF screening and an Expray Test Kit; Group B E&E materials were detected at sampling locations SB-J7-2133-01/06; Results indicated a lead concentration of 791 ppm at SB-J7-2133-01 and 460 ppm at SB-J7-2133-06	2	2			2	2	2							1	1	Metals, SVOCs, E&E		Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
J7-2246	1	Bulk Pack Scrap Shed	Wood and steel structure that currently contains electric relays. No evidence of a release from this bldg.	SB-J7-2246-01 through SB-J7-2246-04	SB-J7-2246-01 SB-J7-2246-02	Sampling location SB-J7-2246-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-2246-02.	2	2												1	1		SVOCs	SVOCs (5-10B & 5-23A)
J7-2281	2	Blender/Packer	Wooden structure covered with mound of earth; loading dock on SE corner; discharge pipe on SW corner reportedly goes to graphite pond. No evidence of a release except the discharge pipe.	SB-J7-2281-01 through SB-J7-2281-06	SB-J7-2281-02 SB-J7-2281-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	2	2			2	2	2							1	1		E&E, SVOCs	SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
J7-2281B	1	Heater House for J7-2281	Wooden structure on a concrete foundation; multiple electric conduits and a vent pipe to J7-2281; stream drain in SW corner;potential stressed vegetation immediately W of the door.	SB-J7-2281B-01 through SB-J7-2281B-05	SB-J7-2281B-01 SB-J7-2281B-03 SB-J7-2281B-05	Sampling locations SB-J7-2281B-01/05 were determined using professional judgement; Screening results did not warrant biased sampling; Sampling location SB-J7-2281B-03 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J7-2281B-03. Analytical results did not detect elevated E&E concentrations	3	2	1	1	1									1	1			
J7-2282	2	Blender/Packer	Earth covered with thick steel door; rain pipe on SW corner feeds to a 12" diameter corrugated pipe to a ditch for graphite pond. No evidence of a release except for the discharge pipe.	SB-J7-2282-01 through SB-J7-2282-06	SB-J7-2282-03 SB-J7-2282-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	2	2			2	2	2							1	1			
J7-2324	1	Heater House	Wood and steel structure housing a heater for bldg. J7-8133. Duct to J7-8133 on W side and a vent on the E side. No evidence of a release.	SB-J7-2324-01 through SB-J7-2324-06	SB-J7-2324-06	Sampling location was determined using XRF screening; Results indicated a lead concentration of 482 ppm at SB-J7-2324-06	1	1												1	1	Metals	SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A)
J7-241	3	Rest House 241	Bldg. demolished area covered with grass - two foundations in SW corner of area remain. No evidence of a release.	SB-J7-241-01 through SB-J7-241-05	SB-J7-241-05 SB-J7-241-04	Sampling location SB-J7-241-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-241-04.					2	2	2							1	1		E&E	E&E (5-10C & 5-23B)

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
J7-5	10	Transformer	1,000 kV to 35 kV substation; recent construction; new insulators; No evidence of a release	SB-J7-5-01	SB-J7-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
J7-8240	3	Store House	Bldg. demolished - only two concrete footers remain (area=800 sq ft)	SB-J7-8240-01 through SB-J7-8240-04	SB-J7-8240-02 SB-J7-8240-01	Sampling location SB-J7-8240-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-8240-01.		2	2											1	1			
J7-8281	4	Store House	Bldg. demolished with no evidence of former bldg; center of bldg. Estimated. No evidence of a release.	SB-J7-8281-01 through SB-J7-8281-03	SB-J7-8281-02 SB-J7-8281-01	Sampling location SB-J7-8281-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-8281-01.		2	2											1	1		SVOCs	SVOCs (5-10B & 5-23A)
J7-F1	4	Main Shaker Scrap Shed	Bldg. demolished with no evidence of its existence; center estimated. No evidence of a release.	SB-J7-F1-01 through SB-J7-F1-03	SB-J7-F1-01 SB-J7-F1-02	Sampling location SB-J7-F1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-F1-02.		2	2											1	1			
J8-1	1	Canister Shipping	Wooden construction on concrete footers. Rail and truck loading areas. No evidence of a release.	SB-J8-1-01 through SB-J8-1-05	SB-J8-1-01 SB-J8-1-02	Sampling location SB-J8-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J8-1-02.					2	2	2							1	1			
J8-2	10	Transformers	Mounted to telephone pole; not discolored; No evidence of release	SB-J8-2-01 through SB-J8-2-02	SB-J8-2-01 SB-J8-2-02	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling				2										1	1			
J8-2339	4	Glaze House # 3 Rotoclone	Bldg demolished-little evidence of its existence; No evidence of release (area=100 sq ft)	SB-J8-2339-01 through SB-J8-2339-03	SB-J8-2339-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
J8-2354	1	Can Pack House (Sign on front reads"Canister House")	Wood and concrete construction; fairly new; many loading areas. No evidence of a release.	SB-J8-2354-01 through SB-J8-2354-09	SB-J8-2354-02 SB-J8-2354-05 SB-J8-2354-01	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	2	2		3	3	3								1	1	E&E		E&E (5-10C & 5-23B)
J8-2354A	4	Canister House Powder Store	Powder room associated with 2354, Canister House Location determined from historical maps	SB-J8-2354A-01 through SB-J8-2354A-04	SB-J8-2354A-04 SB-J8-2354A-03	Sampling location SB-J8-2354A-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J8-2354A-03.				2	2	2								1	1			
J8-8272	3	Store House	Bldg demolished- only evidence two larger than normal rail ties. Rail ties supported a canopy (area=100 sq ft).	SB-J8-8272-01 through SB-J8-8272-03	SB-J8-8272-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1	1	1								1	1			
J9-1	9	Debris Area	Vegetation in place of former debris area; minor amounts of brick. Scrap metal present (area=100 sq ft).	SB-J9-1-01 through SB-J9-1-02	SB-J9-1-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,300 ppm at SB-J9-1-02	1	1												1	1	Metals	SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A)
J9-2111	4,10	NC Dry House	Substation built at location of former dry house; brick scattered around. No evidence of a release.	SB-J9-2111-01 through SB-J9-2111-05	SB-J9-2111-05 SB-J9-2111-04	Sampling location SB-J9-2111-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J9-2111-04.				2	2	2								1	1		E&E	E&E (5-10C & 5-23B)
J9-2142	3	Heater House	Only foundation remains,concrete and rebar with rail ties cast-in-place, metal plates cast-in, metal pipe debris; lead paint coating on concrete footer; brick and burnt wood present. Stressed vegetation on N side.	SB-J9-2142-01 through SB-J9-2142-05	SB-J9-2142-04 SB-J9-2142-05	Sampling location SB-J9-2142-04 was determined using professional judgement; Screening results did not warrant biased sampling. Sampling location SB-J9-2142-05 was determined using XRF screening; Results indicated a copper concentration of 603 ppm at SB-J9-2142-05.	2	2												1	1	Metals	SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A)
J9-3	9	Debris Area	General bldg demolition materials and slag; brick, corrugated sheet metal and stone (area=100 sq ft)	SB-J9-3-01 through SB-J9-3-03	SB-J9-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1		SVOCs	SVOCs (5-10B & 5-23A)
J9-4	3	Unknown Name	Only concrete footers present, all other evidence removed (area=600 sq ft)	SB-J9-4-01 through SB-J9-4-04	SB-J9-4-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J9-4-03	1	1		1	1	1								1	1	Metals	E&E, SVOCs	Metals (5-10E & 5-23C), SVOCs (5-10B & 5-23A), E&E (5-10C & 5-23B)
J9-5	10	Finishing Area Substation	1,000 kV to 35 kV substation; recent construction; new insulators; No evidence of a release	SB-J9-5-01	SB-J9-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			

Table 2-10

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
K6-8273	3	Dynamite Store # 5	Bldg. demolished and left in pile-pile contains wood, metal, pipes and approximately 20 drums. Drums labeled as containing explosives (Trimethylolethane). Drums intermixed with debris-most have lids. No evidence of a release.	SB-K6-8273-01 through SB-K6-8273-04	SB-K6-8273-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-K6-8273-03					1	1	1							1	1			

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

TOC and GRAIN SIZE collected at each AOC

***** = AOC reserved for RI due to presence of contamination
****** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-11

Ammonium Nitrate Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
G13-1	3	Office	Former office	SB-G13-1-01 through SB-G13-1-05	SB-G13-1-03 SB-G13-1-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,069 ppm at SB-G13-1-03. A confirmation sample was taken at SB-G13-1-04.		2	2											1	1	Metals		Metals (5-11E & 5-24C)
H12-1	9	Settling Pond	Currently covered with grass; No evidence of release (area=1,900 sq ft)	SB-H12-1-01 through SB-H12-1-07	SB-H12-1-02 SB-H12-1-06 SB-H12-1-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		3	3		3						3			1	1	SVOCs, Metals		SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
H12-120	3	Lead Melting Pot	Bldg. Demolished-minor amounts of rubble present; No evidence of release	SB-H12-120-01 through SB-H12-120-03	SB-H12-120-03 SB-H12-120-02	Sampling location SB-H12-120-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H12-120-02.			2											1	1			
H12-237	9	Former Burning Ground	Large areas of SV; minor amounts of gray/green discoloration. Slag aggregate present (area=25,000 sq ft).			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials																E&E*		E&E (5-11C & 5-24B)
H13-1	3	Unknown Name	Bldg. demolished-wood construction; three posts evident in W corner; Stressed vegetation in W corner and N of rail line off of N corner of bldg.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials																E&E*		E&E (5-11C & 5-24B)
H13-2	10	Transformer	Three mounted to telephone poles. Recently installed. No evidence of release.	SB-H13-2-01 through SB-H13-2-03	SB-H13-2-01 SB-H13-2-02 SB-H13-2-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling				3										1	1			
H13-2014	4	Ammonia Rope House	Bldg. demolished-vegetation covers area; No evidence of release (area=100 sq ft)	SB-H13-2014-01 through SB-H13-2014-03	SB-H13-2014-01	Sampling location was determined using XRF screening and an Expray Test Kit; Results indicated a lead concentration of 2,014 ppm and a copper concentration of 886 ppm at SB-H13-2014-01. Group B E&E materials were detected at SB-H13-2014-01		1	1		1	1	1				1			1	1	SVOCs, Metals, E&E		SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C), E&E (5-11C & 5-24B)
H13-2031A	1	Unknown Shed	Unknown storage shed (area=100 sq ft)	SB-H13-2031A-01 through SB-H13-2031A-03	SB-H13-2031A-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	Metals		Metals (5-11E & 5-24C)
H13-3	10	Transformer	Three transformers mounted on telephone pole. Recently installed. No evidence of release.	SB-H13-3-01 through SB-H13-3-03	SB-H13-3-01 SB-H13-3-02 SB-H13-3-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling				3										1	1			
H13-6	1	Safety Trailer	Portable aluminum sided trailer mounted on concrete block. Office use only, no evidence of release.	SB-H13-6-01 through SB-H13-6-04	SB-H13-6-01 SB-H13-6-04	Sampling location SB-H13-6-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H13-6-04.		2	2											1	1			
H13-7	9	Stressed Vegetation	Large area with minimal vegetation; White powdery material present in small amounts to S corner of area (area=6,200 sq ft)			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials																E&E*		E&E (5-11C & 5-24B)
H13-8158	1	South Gate House	Wooden construction with aluminum siding, asphalt roof; Gate house only, no evidence of release	SB-H13-8158-01 through SB-H13-8158-04	SB-H13-8158-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-11B & 5-24A)
H13-8164	1,5,6	Training Building	Wooden/brick/aluminum siding building; No. 2 fuel oil storage at E corner, septic tank at W corner	SB-H13-8164-01 through SB-H13-8164-05	SB-H13-8164-02 SB-H13-8164-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		2	2											1	1	SVOCs, Metals		SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
H13-8214	4	Oxidation House Parts Storage	Bldg. demolished-vegetation covers area; No evidence of release (area=100 sq ft)	SB-H13-8214-01 through SB-H13-8214-03	SB-H13-8214-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1								1			1	1		SVOCs	SVOCs (5-11B & 5-24A)
H13-8226	3,6	Change House	Bldg. demolished-vegetation covers area; Associated septic (sludge sample taken during Single Phase Remediation); No evidence of release	SB-H13-8226-01 through SB-H13-8226-05 TP-H13-8226-06	SB-H13-8226-02 SB-H13-8226-01 TP-H13-8226-06	Sampling location SB-H13-8226-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H13-8226-01. Test Pit location downgradient from septic.	1	3	2											2	2	Metals	SVOCs	SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
I11-2326	3	Platinum Gauge House	Bldg. demolished-only concrete footers remain; No evidence of release	SB-I11-2326-01 through SB-I11-2326-05	SB-I11-2326-04 SB-I11-2326-01	Sampling location SB-I11-2326-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I11-2326-01.		2	2											1	1			
I11-3	7	Unknown Sump	Siemens induction motor pump. Two float switches and pressure indicator present on sump. No evidence of release.	TP-I11-3-01	SB-I11-3-01	Test Pit location was placed downgradient from the sump	1	1			1	1	1							1	1			
I11-9303	4	Ingredient Storage	Bldg. demolished-minimal evidence remains; No evidence of release	SB-I11-9303-01 through SB-I11-9303-05	SB-I11-9303-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I11-9303-02		1	1		1	1	1							1	1	SVOCs, Metals, E&E		SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C), E&E (5-11C & 5-24B)
I11-B5	1	Storage Shed	Corrugated metal shed on wooden foundation. Two waste laboratory glassware metal refuse containers on S side of shed. No evidence of release.	SB-I11-B5-01 through SB-I11-B5-04	SB-I11-B5-04	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 185 ppm at SB-I11-B5-04		1	1											1	1	Metals		Metals (5-11E & 5-24C)
I12-1	3	Unknown Concrete Pad	Square concrete pad with circular cast-in-place rebar. No evidence of release.	SB-I12-1-01 through SB-I12-1-04	SB-I12-1-04 SB-I12-1-02	Sampling location SB-I12-1-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-1-02.		2	2								2			1	1			
I12-10	3	Unknown Foundation	Concrete foundation-possibly formerly lead painted. Possible tank storage. No evidence of release.	SB-I12-10-01 through SB-I12-10-04	SB-I12-10-03 SB-I12-10-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 722 ppm and a zinc concentration of 4,760 ppm at SB-I12-10-03. A confirmation sample was taken at SB-I12-10-01. Analytical results did not detect elevated me		2	2								2			1	1	SVOCs		SVOCs (5-11B & 5-24A)
I12-11	9	Debris Area	Bldg. debris and decontaminated equipment from adjacent decontamination area (area=5,900 sq ft).	SB-I12-11-01 through SB-I12-11-14	SB-I12-11-06 SB-I12-11-08 SB-I12-11-13 SB-I12-11-11 SB-I12-11-09 SB-I12-11-02 SB-I12-11-04	Sampling locations SB-I12-11-06/08/13/11 were determined using professional judgement; Screening results did not warrant biased sampling. Confirmation samples were taken at SB-I12-11-02/04/09.		7	7											1	1		SVOCs	SVOCs (5-11B & 5-24A)
I12-12	5	Propane Tank	Propane tank mounted on concrete footers; currently empty. No evidence of release.	SB-I12-12-01 through SB-I12-12-04	SB-I12-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1			
I12-13	5	Propane Tank	Supported on two temporary metal supports-currently empty. No evidence of release.	SB-I12-13-01 through SB-I12-13-03	SB-I12-13-03	Sampling location was determined using an Expray Test Kit;Group C E&E materials were detected at SB-I12-13-03. Analytical results did not detect elevated E&E concentrations.	1	1	1								1			1	1			

Table 2-11

Ammonium Nitrate Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I12-14	9	Stressed Vegetation	Area of reduced vegetation growth; minimal staining evident. Possibly due to acid storage (area=400 sq ft).	SB-I12-14-01 through SB-I12-14-03	SB-I12-14-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 948 ppm and a copper concentration of 642 ppm at SB-I12-14-01		1	1										1	1	1	Metals		Metals (5-11E & 5-24C)
I12-15	7	Unknown Concrete Vault	6' deep concrete vault currently filled in with soil/debris; NW side 6' square cutout-possible inlet for catch tank; No evidence of release	SB-I12-15-01 through SB-I12-15-04	SB-I12-15-01 SB-I12-15-04	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		2	2								2			1	1	Metals		Metals (5-11E & 5-24C)
I12-2010	1	Evaporation Shed	Bldg. demolished-concrete footers remain; No evidence of release	SB-I12-2010-01 through SB-I12-2010-05	SB-I12-2010-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1								1			1	1	SVOCs		SVOCs (5-11B & 5-24A)
I12-2011	1,3,7	Crystalizer House	Bldg. demolished-concrete and steel foundation remains. Large oven mounted on foundation. Area currently converted for use as a decontamination facility. Floor drain in W corner flow directed to WWTP. No evidence of release.	SB-I12-2011-01 through SB-I12-2011-04	SB-I12-2011-01 SB-I12-2011-04	Sampling location SB-I12-2011-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2011-04.		2	2								2			1	1			
I12-2012	3	Coating House Repair Shop	Bldg. demolished-concrete block foundation remains; No evidence of release (area=300 sq ft)	SB-I12-2012-01 through SB-I12-2012-03	SB-I12-2012-02 SB-I12-2012-03	Sampling location SB-I12-2012-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2012-03.		2	2											1	1			
I12-2013	1,3	Crystalizer Repair Shop	Bldg. demolished-concrete pad remains. Currently decontamination oven mounted on concrete pad.	SB-I12-2013-01 through SB-I12-2013-04	SB-I12-2013-01	Sampling location was determined using XRF screening; Results indicated a coppe concentration of 1,610 ppm at SB-I12-2013-01		1	1											1	1	Metals		Metals (5-11E & 5-24C)
I12-2184	4	Compressor House	Bldg. demolished; Minimal evidence of former location; No evidence of release	SB-I12-2184-01 through SB-I12-2184-03	SB-I12-2184-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 296 ppm at SB-I12-2184-01		1	1											1	1	Metals		Metals (5-11E & 5-24C)
I12-2186	1,5	Oxidation House	Steel and concrete masonry unit with plaster covering. Laboratory room storage, loading area, and electrical control room. No. 2 fuel oil ASTs with concrete containment.	SB-I12-2186-01 through SB-I12-2186-15	SB-I12-2186-03 SB-I12-2186-06 SB-I12-2186-13	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		3	3								3			1	1	Metals	SVOCs	SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
I12-2287	3	Falling Film Evaporator	Bldg. demolished-center of building between two foundations-one with brick wall. No evidence of release (area=300 sq ft).	SB-I12-2287-01 through SB-I12-2287-04	SB-I12-2287-01 SB-I12-2287-04	Sampling location SB-I12-2287-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2287-04.		2	2											1	1	Metals		Metals (5-11E & 5-24C)
I12-2341	3	Unknown Name	Bldg. demolished-concrete rubble present; No evidence of release	SB-I12-2341-01 through SB-I12-2341-03	SB-I12-2341-03	Sampling location was determined using XRF screening; Results indicated a lead concentration of 25,130 ppm at SB-I12-2341-03		1	1								1			1	1	Metals	SVOCs	SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
I12-6	3	Unknown Concrete Pad	Possible former Boiler House pad. Recently constructed pad. No evidence of release.	SB-I12-6-01 through SB-I12-6-04	SB-I12-6-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1								1			1	1	Metals	SVOCs	SVOCs (5-11B & 5-24A), Metals (5-11E & 5-24C)
I12-7	5	Equalization Tank	Steel tank, catch basin on NW side with two flanking valve boxes. Pumps on SW side. No evidence of release.	SB-I12-7-01 through SB-I12-7-04 TP-I12-7-05	SB-I12-7-02 SB-I12-7-04 SB-I12-7-05	Sampling location SB-I12-7-02 was determined using professional judgement; Sampling location SB-I12-7-04 was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I12-7-04. Test Pit location was placed downgradient of the sump.		2	1		2	2	2				1			2	2	Metals		Metals (5-11E & 5-24C)
I12-8	10	Transformer	Pole mounted. Housing appears intact. No evidence of release.	SB-I12-8-01	SB-I12-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
I12-8271	1	Control Room	Control House for EQ WWTP; Concrete masonry block construction; Houses single blower/silencer; Stressed vegetation at SE corner	SB-I12-8271-01 through SB-I12-8271-04	SB-I12-8271-02 SB-I12-8271-01	Sampling location SB-I12-8271-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-8271-01.		2	2											1	1			
I12-8581	1	Decontamination Facility Control Room	Wooden shed-houses oven controls and pressure washer; Small debris area (building debris) at S corner; No evidence of release	SB-I12-8581-01 through SB-I12-8581-04	SB-I12-8581-04 SB-I12-8581-01	Sampling location SB-I12-8581-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-8581-01.	2	2	2		2	2	2				2			1	1			
I12-9	10	Transformer	Not mounted; on ground adjacent to telephone pole. Housing intact. No evidence of release.	SB-I12-9-01	SB-I12-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			

Table 2-11

Ammonium Nitrate Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I12-9110	5	Nitric Acid Storage Tanks	Bldg. Demolished-minimal evidence of former tanks, tanks removed. No evidence of release.	SB-I12-9110-01 through SB-I12-9110-06	SB-I12-9110-03 SB-I12-9110-04	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		2	2										2	1	1	Metals		Metals (5-11E & 5-24C)
I12-9111	5	Wastewater Treatment Tank	Treatment tank, associated three blowers, wastewater disinfector overflow structure and return piping. Oily area between blowers and WWTP tank.	SB-I12-9111-01 through SB-I12-9111-07	SB-I12-9111-04 SB-I12-9111-01	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 5,090 ppm at SB-I12-9111-04. A confirmation sample was taken at SB-I12-9111-01. Analytical results did not detect elevated metal concentrations.	2	2	2											1	1	SVOCs		SVOCs (5-11B & 5-24A)
I12-9112	5	Nitric Acid Storage Tanks	Bldg. demolished-cradle removed footers remain; No evidence of release	SB-I12-9112-01 through SB-I12-9112-06	SB-I12-9112-04 SB-I12-9112-03	Sampling location SB-I12-9112-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-9112-03.		2	2											1	1			
I12-9120	4	Unknown	Bldg. demolished; Minimal evidence of former location; No evidence of release	SB-I12-9120-01 through SB-I12-9120-03	SB-I12-9120-02 SB-I12-9120-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was taken at SB-I12-9120-03.		2	2															

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

Table 2-12

Storage Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
I11-8278	3	Charge House	Concrete footers only evidence of former building; Area covered with vegetation; No evidence of release (area=100 sq ft)	SB-I11-8278-01 through SB-I11-8278-03	SB-I11-8278-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1	SVOCs		SVOCs (5-12B & 5-25B)
I11-9301	3	Box Store House	Minimal evidence of former building, now a vegetated area; Some rebar protruding from the ground N end of former building	SB-I11-9301-01 through SB-I11-9301-05	SB-I11-9301-05 SB-I11-9301-02	Sampling location SB-I11-9301-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I11-9301-02.		2	2											1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
J10-2	9	Debris Area	Most metal debris removed along this former railroad line. Minor amounts of aluminum and sheet metal, rail ties and track. No evidence of release (area=3,700 sq ft).	SB-J10-2-01 through SB-J10-2-11	SB-J10-2-03 SB-J10-2-04 SB-J10-2-08 SB-J10-2-11	Sampling locations SB-J10-2-03/08/11 were determined using an Expray Test Kit; Group B E&E materials were detected at SB-J10-2-03/08/11; Sampling locations SB-J10-2-04/11 were determined using XRF screening. Results indicated an arsenic concentration of		4	4		4	4	4							1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
J10-2033	3	Box Paint House	All that remains of former building is vegetated area and one footer; Adjacent to rail line. No evidence of release.	SB-J10-2033-01 through SB-J10-2033-05	SB-J10-2033-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 770 ppm at SB-J10-2033-01		1	1											1	1	Metals	SVOCs	Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
J10-2166	1,7	D-2 Wax House	CMU foundation with wooden siding. Catch tank on S side.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials																E&E*		E&E (5-12C & 5-25C)
J10-3	10	Electric Transformer	Corroded bottom, possible oil release	SB-J10-3-01	SB-J10-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
J10-9122	5	D-2 Wax Tank	Utility hoist motor on SW side; Pump and temp gauge on NE side; Wax coating on surrounding machinery	SB-J10-9122-01 through SB-J10-9122-03	SB-J10-9122-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	VOCs		VOCs (5-12A & 5-25A)
J10-9334	1	D-2 Store House	Wooden construction built on concrete footers; No evidence of a release	SB-J10-9334-01 through SB-J10-9334-06	SB-J10-9334-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J10-9334-01		1	1		1	1	1							1	1	SVOCs, E&E		SVOCs (5-12B & 5-25B), E&E (5-12C & 5-25C)
J8-9220	1	Shipping House #1	Concrete foundation with wooden construction and corrugated sheet metal, 3 loading areas. Soil berm on N. side of building. No evidence of a release	SB-J8-9220-01 through SB-J8-9220-07	SB-J8-9220-02 SB-J8-9220-05	Sampling location SB-J8-9220-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-J8-9220-02					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
J9-2	9	Stressed Vegetation	Soil with gray flakes of soft paper-like substance (area=50 sq ft)	SB-J9-2-01 through SB-J9-2-03	SB-J9-2-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J9-2-02. Analytical results did not detect elevated E&E concentrations.		1	1		1	1	1						1	1	1			
J9-6	4	Smokeless Unloading	Minor amounts of concrete block, wood and steel siding; Location based on historical maps; No evidence of a release	SB-J9-6-01 through SB-J9-6-03	SB-J9-6-02 SB-J9-6-01	Sampling location SB-J9-6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J9-6-01.					2	2	2							1	1			
K7-2125	1	Rest House #2	Steel and wood structure; Three loading doors on E side, loading dock on S side, possible; narrow gauge railroad on E side; No evidence of a release	SB-K7-2125-01 through SB-K7-2125-05	SB-K7-2125-01 SB-K7-2125-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
K7-2126	1	Rest House #3	Steel and wood structure; Two loading doors on E side, loading dock on SE corner; A canopy covers the loading dock; No evidence of a release	SB-K7-2126-01 through SB-K7-2126-05	SB-K7-2126-03 SB-K7-2126-05	Sampling location SB-K7-2126-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-K7-2126-03					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
K7-2127	1	Rest House #6	Steel and wood structure; Two loading doors on E side, loading dock on E corner, possibly for narrow gauge railroad; No evidence of a release	SB-K7-2127-01 through SB-K7-2127-05	SB-K7-2127-03 SB-K7-2127-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1			
K7-2132	1	Rest House #4	Wood and steel structure. Three loading doors on the W side and a loading dock on the S corner. A canopy covers the loading dock, a potential narrow gauge rail loading area. No evidence of a release.	SB-K7-2132-01 through SB-K7-2132-05	SB-K7-2132-03 SB-K7-2132-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
K7-3	3	Unknown Foundation	Foundation has been removed, only evidence is an old walkway; No evidence of a release (area=100 sq ft)	SB-K7-3-01 through SB-K7-3-03	SB-K7-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
K7-F5	4	Rest House #3 Scrap Shed	Scrap shed has been totally removed; All that remains is a flat area (area=100 sq ft)	SB-K7-F5-01 through SB-K7-F5-03	SB-K7-F5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
K8-1	3	Unknown Foundation	Old foundation consisting of cement footers; Probably used for storage; No evidence of release	SB-K8-1-01 through SB-K8-1-05	SB-K0-1-01 SB-K8-1-05	Sampling location SB-K8-1-05 was determined using professional judgement; Sampling location SB-K8-1-01 was determined using XRF screening. Results indicated a lead concentration of 532 ppm and an arsenic concentration of 247 ppm at SB-K8-1-01		2	2		2	2	2							1	1	Metals	E&E, SVOCs	Metals (5-12E & 5-25D), E&E (5-12C & 5-25C), SVOCs (5-12B & 5-25B)
K8-393	4	Blender 393 Packhouse 565	Building has been completely removed; No evidence of a release	SB-K8-393-01 through SB-K8-393-05	SB-K8-393-05 SB-K8-393-01	Sampling location SB-K8-393-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-393-01.		2	2		2	2	2							1	1		E&E, SVOCs	SVOCs (5-12B & 5-25B), E&E (5-12C & 5-25C)
K8-9207	3	Shipping House #2	All that remains is concrete pad and railroad ties leading up to and away from building. A chunk of TNT found in center of concrete pad. No evidence of a release.	SB-K8-9207-01 through SB-K8-9207-04	SB-K8-9207-02 SB-K8-9207-04	Sampling location SB-K8-9207-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-9207-04.	1				2	2	2							1	1	E&E	SVOCs	SVOCs (5-12B & 5-25B), E&E (5-12C & 5-25C)
K8-9212	1	New Premix Storehouse	Wooden building with corrugated sheet metal construction; Stressed soil on E and W side of building, dark stained soil with black pellets, possibly coal	SB-K8-9212-01 through SB-K8-9212-07	SB-K8-9212-02 SB-K8-9212-07	Sampling location SB-K8-9212-07 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-K8-9212-02. Analytical results did not detect elevated E&E concentrations.		2	2		2	2	2							1	1	Metals		Metals (5-12E & 5-25D)
K8-9212A	1	New Premix Storehouse Shed	Shed adjacent to K08-9212 with concrete foundation with wooden construction	SB-K8-9212A-01 through SB-K8-9212A-04	SB-K8-9212A-01 SB-K8-9212A-04	Sampling location SB-K8-9212A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-9212A-04.		2	2											1	1			
K9-3	9	Discarded Drum	Drum has been removed with flag placed in former location; Area is currently covered with vegetation	SB-K9-3-01 through SB-K9-3-02	SB-K9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
K9-9203	1	Dynamite Magazine #4	Brick foundation, corrugated sheet metal, wooden construction Loading dock to SW side of building. No evidence of release.	SB-K9-9203-01 through SB-K9-9203-07	SB-K9-9203-01 SB-K9-9203-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
K9-9204	1	Shipping House #3	Brick foundation, corrugated sheet metal, wooden construction. Multiple loading areas with berm on N side. No evidence of release.	SB-K9-9204-01 through SB-K9-9204-08	SB-K9-9204-01 SB-K9-9204-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1			

Table 2-12

Storage Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
L6-2128	1	Rest House #7	Steel and wood structure. Two loading doors on E side, loading dock on E corner, possibly for narrow gauge railroad. No evidence of a release.	SB-L6-2128-01 through SB-L6-2128-05	SB-L6-2128-03 SB-L6-2128-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
L6-2129	1	Rest House #9	Steel sided structure with loading areas on the W and possibly E sides. No evidence of released.	SB-L6-2129-01 through SB-L6-2129-07	SB-L6-2129-03 SB-L6-2129-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
L7-1	9	Debris	Most debris removed, all that remains is a piece of rebar, two chunks of steel siding and a narrow gauge rail section. No evidence of a release.	SB-L7-1-01 through SB-L7-1-03	SB-L7-1-03 SB-L7-1-01	Sampling location SB-L7-1-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-1-01.		2	2											1	1			
L7-2	3	Unknown Foundation	Foundation has been removed, only evidence is overturned soil; No evidence of a release (area=100 sq ft)	SB-L7-2-01 through SB-L7-2-03	SB-L7-2-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1		1	1	1							1	1			
L7-2130	1	Rest House #8	Steel sided building. Two narrow gauge rail loading areas, one truck loading area, one hand loading area. No evidence of a release.	SB-L7-2130-01 through SB-L7-2130-08	SB-L7-2130-01 SB-L7-2130-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
L7-2131	1	Rest House #5	Wood and steel structure. Three loading doors and a loading dock on the E side. A canopy covers the loading dock, a potential narrow gauge rail loading area. No evidence of a release.	SB-L7-2131-01 through SB-L7-2131-05	SB-L7-2131-04 SB-L7-2131-05	Sampling location SB-L7-2131-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-L7-2131-04					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
L7-4	9	Discarded Drums	Drums and metal debris has been removed; No evidence of a release	SB-L7-4-01 through SB-L7-4-03	SB-L7-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
L7-5	10	Electric Transformer	Transformer corroded but looks intact; No evidence of a release	SB-L7-5-01	SB-L7-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
L7-6	9	Discarded Drum	Drum has been removed with no evidence of location. Location will be estimated.	SB-L7-6-01 through SB-L7-6-03	SB-L7-6-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
L7-8115	3	Magazine Office	Building completely removed. All that remains is a berm indicating its presence. No evidence of a release (area=400 sq ft).	SB-L7-8115-01 through SB-L7-8115-04	SB-L7-8115-02 SB-L7-8115-04	Sampling location SB-L7-8115-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-8115-04.		2	2											1	1			
L7-9206	1	Cap Magazine	Steel structure on concrete pad, one door on E side; No evidence of a release (area=200 sq ft)	SB-L7-9206-01 through SB-L7-9206-04	SB-L7-9206-01 SB-L7-9206-02	Sampling location SB-L7-9206-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-9206-02.					2	2	2							1	1			
L7-9315	4	Fuse Storage	Building completely removed; No evidence of a release (area=200 sq ft)	SB-L7-9315-01 through SB-L7-9315-03	SB-L7-9315-01 SB-L7-9315-02	Sampling location SB-L7-9315-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-9315-02.					2	2	2							1	1			
L8-8215	3	Unknown	Vegetation covers former site with sand areas; Probable former scrap shed; No evidence of a release (area=100 sq ft)	SB-L8-8215-01 through SB-L8-8215-03	SB-L8-8215-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1			
L8-8235	4	Car Barrel Shed	Area presently covered with vegetation; No evidence of a release	SB-L8-8235-01 through SB-L8-8235-03	SB-L8-8235-01 SB-L8-8235-02	Sampling location SB-L8-8235-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L8-8235-02.	2	2												1	1			
L8-9202	1	No. 5 Shipping	Brick foundation wood wrapped in corrugated sheet metal; Berm on SE side with rail loading area; Loading dock on NW corner; No evidence of a release	SB-L8-9202-01 through SB-L8-9202-07	SB-L8-9202-01 SB-L8-9202-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1			
M6-1	9	Debris Area	Debris area and flyash consisting of bottles, pipes, a drum and general rubbish along a duck pond (area=14,000 sq ft)	SB-M6-1-01 through SB-M6-1-20	SB-M6-1-01 SB-M6-1-06 SB-M6-1-07 SB-M6-1-11 SB-M6-1-13 SB-M6-1-14 SB-M6-1-15 SB-M6-1-18	Sampling locations SB-M6-1-11/13/14/15/18 were determined using professional judgement; Sampling location SB-M6-1-06 was determined using XRF screening. Results indicated an arsenic concentration of 229 ppm at SB-M6-1-06; Group B E&E materials were det			1		8	8	8							1	1	Metals		Metals (5-12E & 5-25D)
M7-1	3	Possible Dynamite Magazine	Building has been removed, only remains are an elevated area of soil and the remains of a loading dock. No evidence of a release.	SB-M7-1-01 through SB-M7-1-05	SB-M7-1-01 SB-M7-1-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
M7-2	9	Debris Area	Debris area consisting of metal cans, pipes, fittings and sidings, Some concrete covered in the green fibrous material from N7-5 (area=30,000 sq ft)	SB-M7-2-01 through SB-M7-2-20	SB-M7-2-02 SB-M7-2-04 SB-M7-2-05 SB-M7-2-11 SB-M7-2-13 SB-M7-2-15 SB-M7-2-18 SB-M7-2-20	Sampling locations SB-M7-2-02/04/11/13/18 were determined using professional judgement; Sampling locations SB-M7-2-05/15/20 were determined using XRF screening. Results indicated a copper concentration of 9,200 ppm and a lead concentration of 1,117 ppm a	8	8												1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
M7-9205	1	Dynamite Magazine #1	Old wooden magazine surrounded on three sides by a wooden and earthen berm, with loading areas in the NW and SE corners, the SE loading dock is covered by a roof. No evidence of a release	SB-M7-9205-01 through SB-M7-9205-06	SB-M7-9205-01 SB-M7-9205-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1			
M8-9201	1	Dynamite Magazine #2	Old structure that had a barricade many years ago, the building has three doors and five loading docks, a narrow gauge rail serviced this building. No evidence of release	SB-M8-9201-01 through SB-M8-9201-10	SB-M8-9201-01 SB-M8-9201-10	Sampling location SB-M8-9201-01 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-M8-9201-10					2	2	2							1	1			
N5-3	3	Former Store House	Pit in the ground with bermed sides, all remnants of former structure have been removed. No evidence of release.	SB-N5-3-01 through SB-N5-3-05	SB-N5-3-03 SB-N5-3-01	Sampling location SB-N5-3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N5-3-01.	2	2												1	1			
N5-533	3	Former Store House	Remains of former store house, only 21 cement footers and some old rusted metal siding remain. Building was thermally decontaminated. No evidence of a release.	SB-N5-533-01 through SB-N5-533-05	SB-N5-533-05 SB-N5-533-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 538 ppm at SB-N5-533-05. A confirmation sample was collected at SB-N5-533-01. Analytical results did not detect elevated metal concentrations.	2	2												1	1			

Table 2-12

Storage Area Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
N5-581	3	Former Store House	Old structure protected by an earthen berm, building has been removed and all that remains is the berm and its wooden support. No evidence of release.	SB-N5-581-01 through SB-N5-581-05	SB-N5-581-01 SB-N5-581-05	Sampling location SB-N5-581-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N5-581-05.		2	2											1	1			
N5-582	3	Former Store House	Old wooden structure that has been completely removed, only poorly weathered berm remains. No evidence of release.	SB-N5-582-01 through SB-N5-582-05	SB-N5-582-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-12B & 5-25B)
N6-580	4	Rest House #580	This former rest house is buried beneath the old landfill with no evidence of its location, location will be estimated			This remnant building is located within the landfill, therefore it will not sampled.																		
N6-640	3	Blending House	Formerly large structure, all that remains is the central foundation, it is covered with debris with trees growing in it, it is reported the structure was scrapped. No evidence of release.	SB-N6-640-01 through SB-N6-640-05	SB-N6-640-03	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 254 ppm at SB-N6-640-03		1	1		1	1	1							1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
N6-9208	1	Shipping House #9	Old wooden structure with steel siding and roofing, large wooden. Berm filled with earth surrounding the structure, loading docks on the N and S sides. No evidence of release.	SB-N6-9208-01 through SB-N6-9208-06	SB-N6-9208-03 SB-N6-9208-04	Sampling locations were determined using an Expray Test Kit; Group B E&E materials were detected at SB-N6-9208-03/04. Analytical results did not detect elevated E&E concentrations.					2	2	2							1	1			
N7-2	9	Debris Area	Debris area consisting of drums, wood, cement and scrap metal. Pooled water that may be seasonal, buried drums (area=11,000 sq ft).	SB-N7-2-01 through SB-N7-2-19	SB-N7-2-06 SB-N7-2-07 SB-N7-2-10 SB-N7-2-13 SB-N7-2-14 SB-N7-2-17	Sampling locations SB-N7-2-06/07/10/13/14 were determined using professional judgement; Sampling location SB-N7-2-17 was determined using XRF screening. Results indicated a lead concentration of 1236 ppm at SB-N7-2-17		6	6											1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
N7-394	4	Blender #2 Building 394	No debris remains of building, adjacent debris from former blender. Location based on historic maps. No evidence of release.	SB-N7-394-01 through SB-N7-394-03	SB-N7-394-01 SB-N7-394-03	Sampling location SB-N7-394-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-394-03.		2	2			2	2	2						1	1			
N7-4	10	Electric Transformer	Electric transformer on telephone pole, looks intact. No evidence of release.	SB-N7-4-01	SB-N7-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
N7-5	9	Stressed Vegetation	Area of stressed vegetation, possibly caused by fibrous, green flat pieces of material (area=100 sq ft).	SB-N7-5-01 through SB-N7-5-03	SB-N7-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1										1	1	1			
N7-571	4	Unknown	Building is destroyed with only some wood remaining, building is located on the edge of the pond. No evidence of release	SB-N7-571-01 through SB-N7-571-03	SB-N7-571-03 SB-N7-571-02	Sampling location SB-N7-571-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-571-02.		2	2		2	2	2							1	1			
N7-572	4	Unknown	Building has been totally destroyed, the only remnants being a few bricks and a piece of copper. No evidence of a release (area=100 sq ft).	SB-N7-572-01 through SB-N7-572-03	SB-N7-572-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1		E&E	E&E (5-12C & 5-25C)
N7-573	4	Unknown	Building totally removed, approximate location based on historic maps. No evidence of release.	SB-N7-573-01 through SB-N7-573-03	SB-N7-573-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1	Metals	E&E, SVOCs	Metals (5-12E & 5-25D), E&E (5-12C & 5-25C), SVOCs (5-12B & 5-25B)
N7-574	4	Unknown	Former building has been removed, all that remains is a built up level area extending into a marshy area, some drums and scrap are nearby (area=800 sq ft).	SB-N7-574-01 through SB-N7-574-04	SB-N7-574-02 SB-N7-574-03	Sampling location SB-N7-574-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-574-03.	2	2			2	2	2							1	1			
N7-9222	1	Shipping House #8	Cement foundation wood with steel siding, there is a berm to the S. There is a potential loading in the E and two loading docks, the N loading dock is for rail, the W loading dock for trucks. No evidence of release.	SB-N7-9222-01 through SB-N7-9222-07	SB-N7-9222-06 SB-N7-9222-01	Sampling location SB-N7-9222-06 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-9222-01.					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
N8-389	3	Dry House	Building has been completely removed, all that remains is 12 concrete footers and some scrap metal. No evidence of release.	SB-N8-389-01 through SB-N8-389-05	SB-N8-389-05 SB-N8-389-04	Sampling location SB-N8-389-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N8-389-04.					2	2	2							1	1			
O5-2	3	Former Store House	Building removed, all that remains is an earthen berm; No evidence of release (area=800 sq ft)	SB-O5-2-01 through SB-O5-2-04	SB-O5-2-01 SB-O5-2-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	2	2												1	1			
O5-5	3	Former Store House	Man-made level section of ground cut out of a slope creating a bermed area, one piece of scrap metal remains. No evidence of release (area=300 sq ft).	SB-O5-5-01 through SB-O5-5-03	SB-O5-5-03 SB-O5-5-02	Sampling location SB-O5-5-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-5-02.	2	2												1	1			
O5-534	3	Former Store House	Similar to N5-533, 18 footers and some steel siding remain; Building was thermally decontaminated; No evidence of a release	SB-O5-534-01 through SB-O5-534-05	SB-O5-534-04 SB-O5-534-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 430 ppm at SB-O5-534-04 A confirmation sample was collected at SB-O5-534-02. Analytical results did not detect elevated metal concentrations.	2	2												1	1			
O5-537	3	Dry House #56	21 cement footers remain, building has been removed except for some pieces of steel siding, building surrounded on three sides by earthen berm supported with wood and steel. No evidence of release.	SB-O5-537-01 through SB-O5-537-05	SB-O5-537-05 SB-O5-537-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					2	2	2							1	1			
O5-578	3	Rest House #12	Old bermed area, berm contains wood and steel reinforcing and has been partially destroyed. Building was thermally decontaminated and has been completely removed. No evidence of release (area=400 sq ft).	SB-O5-578-01 through SB-O5-578-04	SB-O5-578-04 SB-O5-578-02	Sampling location SB-O5-578-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-578-02.					2	2	2							1	1			
O5-579	3	Rest House #13	Building completely removed, only foundation remains. No evidence of release.	SB-O5-579-01 through SB-O5-579-05	SB-O5-579-04 SB-O5-579-01	Sampling location SB-O5-579-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-579-01.					2	2	2							1	1	E&E		E&E (5-12C & 5-25C)
O5-580.5	3	Store House	Former store house nearly completely removed, N side wooden berm remains, narrow gauge rail line runs through center of building. No evidence of release.	SB-O5-580.5-01 through SB-O5-580.5-05	SB-O5-580.5-02 SB-O5-580.5-05	Sampling location SB-O5-580.5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-580.5-05.	2	2												1	1			
O5-580.75	3	Rest House	Small bermed area, berm has wood and steel reinforcing bars, structure appears to have been thermally decontaminated. No evidence of release (area=500 sq ft).	SB-O5-580.75-01 through SB-O5-580.75-05	SB-O5-580.75-05 SB-O5-580.75-04	Sampling location SB-O05-580.75-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O05-580.75-04.					2	2	2							1	1			
O5-6	3	Unknown	Associated with dry house #56 (05-534). Use unknown (area=800 sq ft).	SB-O5-6-01 through SB-O5-6-04	SB-O5-6-02 SB-O5-6-03	Sampling location SB-O5-6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-6-03.	2	2			2	2	2							1	1			

Table 2-12

Storage Area Sampling Plan
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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
O6-1	3	Former Store House	Building nearly completely removed when a road was put in place, only remains is a single concrete footer, there is some plastic on the ground nearby. No evidence of release (area=100 sq ft).	SB-O6-1-01 through SB-O6-1-03	SB-O6-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
O6-3	10	Electric Transformer	Electric transformer on telephone pole, base looks to be corroding. There may have been a release.	SB-O6-3-01	SB-O6-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling				1										1	1			
O6-577	3	Rest House #11	All that remains is a hole in the ground, the bottom of the foundation is filled with water. No evidence of release (area=700 sq ft).	SB-O6-577-01 through SB-O6-577-04	SB-O6-577-03 SB-O6-577-01	Sampling location SB-O6-577-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O6-577-01.					2	2	2							1	1			
O6-649	4	Blender #649	No remnants of former building; Former location estimated	SB-O6-649-01 through SB-O6-649-03	SB-O6-649-02 SB-O6-649-03	Sampling location SB-O6-649-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O6-649-03.		2	2		2	2	2							1	1			
O6-650	4	Blender #650	Building has been completely dismantled, there are no remains, Center of building estimated using historical maps	SB-O6-650-01 through SB-O6-650-03	SB-O6-650-03 SB-O6-650-01	Sampling location SB-O6-650-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O6-650-01.		2	2		2	2	2							1	1			
O6-9223	1	Shipping House #10	Concrete foundation with a wooden structure sided in steel. Two loading docks on the N and S side. No evidence of a release. Loading dock is covered with a roof structure	SB-O6-9223-01 through SB-O6-9223-07	SB-O6-9223-06 SB-O6-9223-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
O6-9224	1	Shipping House #12	Concrete foundation with a wooden structure sided in steel. Two loading docks on the E and W side. No evidence of a release.	SB-O6-9224-01 through SB-O6-9224-07	SB-O6-9224-03 SB-O6-9224-06	Sampling location SB-O6-9224-06 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-O6-9224-03					2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
O7-1	3	Water Dry House	Building has been removed except for 14 cement column footers, some toppled. No evidence of a release.	SB-O7-1-01 through SB-O7-1-05	SB-O7-1-03 SB-O7-1-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 4200 ppm at SB-O7-1-03. A confirmation sample was collected at SB-O7-1-01					2	2	2							1	1		Metals	Metals (5-12E & 5-25D)
O7-2	3	Unknown	Small cement foundation	SB-O7-2-01 through SB-O7-2-04	SB-O7-2-02 SB-O7-2-01	Sampling location SB-O7-2-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-2-01.		2	2		2	2	2							1	1			
O7-391	4	Dry House 391	All remnants of building have been removed. Location based on historic maps. No evidence of release.	SB-O7-391-01 through SB-O7-391-03	SB-O7-391-03 SB-O7-391-02	Sampling location SB-O7-391-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-391-02.					2	2	2							1	1			
O7-395	4	Blender House #3	Building completely dismantled, location based on historic maps and pack house footer. No evidence of release.	SB-O7-395-01 through SB-O7-395-03	SB-O7-395-02 SB-O7-395-03	Sampling location SB-O7-395-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-395-03.		2	2		2	2	2							1	1			
O7-396	4	Blender 396	No evidence of building remain, location based on historic maps. No evidence of release.	SB-O7-396-01 through SB-O7-396-03	SB-O7-396-02 SB-O7-396-03	Sampling location SB-O7-396-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-396-03.	2	2			2	2	2							1	1	Metals		Metals (5-12E & 5-25D)
O7-576	3	Unknown	All that remains is a part of the broken foundation; No evidence of a release (area=100 sq ft)	SB-O7-576-01 through SB-O7-576-03	SB-O7-576-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1			1	1	1							1	1			
O7-615E	3	Former Store House	Similar to 07-9319, only broken brick footers remain with considerable debris. Former building is buried under the debris.	SB-O7-615E-01 through SB-O7-615E-04	SB-O7-615E-01 SB-O7-615E-04	Sampling location SB-O7-615E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-615E-04.	2	2												1	1			
O7-9319	3	Former Store House	Building was dismantled and all that remains are brick and cement footers with scattered debris including metal reinforcers and pipes. No evidence of a release.	SB-O7-9319-01 through SB-O7-9319-04	SB-O7-9319-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-O7-9319-01	1	1			1	1	1							1	1	Metals	E&E	Metals (5-12E & 5-25D), E&E (5-12C & 5-25C)
O8-3	9	Debris Area	Debris pushed down the slope from B-Line. Consists of foundations, process equipment and scrap metal. Slightly stressed or steep slope prevents vegetation (area=15,000 sq ft).	SB-O8-3-01 through SB-O8-3-20	SB-O8-3-04 SB-O8-3-06 SB-O8-3-09 SB-O8-3-12 SB-O8-3-13 SB-O8-3-15 SB-O8-3-18 SB-O8-3-20	Sampling locations SB-O8-3-04/06/09/12/13/15/18/20 were determined using professional judgement; Screening results did not warrant biased sampling	8	8												1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
O8-392	4	Water Dry House	Building has been removed, location estimated from historical maps. No evidence of a release.	SB-O8-392-01 through SB-O8-392-03	SB-O8-392-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling					1	1	1							1	1	E&E		E&E (5-12C & 5-25C)
O8-732	3,7	Blending Tower 732	Inner cement circle surrounded by nine support footers. Pit is filled with water, structure completely removed. No evidence of a release.	SB-O8-732-01 through SB-O8-732-05	SB-O8-732-01 SB-O8-732-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 664 ppm at SB-O8-732-01. A confirmation sample was collected at SB-08-732-04.	2	2			2	2	2							1	1	Metals		Metals (5-12E & 5-25D)
P5-2	9	Unknown	Associated with dry house #55 (P5-536), use unknown, all that remains is an earthen pit. No evidence of release. Both P5-2 and P5-3 are up slope from their respective dry house.	SB-P5-2-01 through SB-P5-2-04	SB-P5-2-01 SB-P5-2-03	Sampling location SB-P5-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P5-2-03.	2	2			2	2	2							1	1			
P5-3	9	Unknown	Associated with dry house #54 (P5-535), use unknown, all that remains is a depression in the ground. No evidence of release (area=800 sq ft).	SB-P5-3-01 through SB-P5-3-04	SB-P5-3-02 SB-P5-3-01	Sampling location SB-P5-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P5-3-01.	2	2			2	2	2							1	1			
P5-535	3	Dry House #54	Very similar to 05-537 and 05-536. No evidence of release.	SB-P5-535-01 through SB-P5-535-05	SB-P5-535-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 666 ppm at SB-P5-535-04				1	1	1	1							1	1	Metals	E&E	Metals (5-12E & 5-25D), E&E (5-12C & 5-25C)
P5-536	3	Dry House #55	Same as 05-537 except berm is more intact, there is a 0.5 inch pipe going into ground at NE corner.	SB-P5-536-01 through SB-P5-536-06	SB-P5-536-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 602 ppm at SB-P5-536-01. Analytical results did not detect elevated metal concentrations.					1	1	1							1	1			
P6-541	3	Dry House #60	Building has been completely removed, all that remains is 21 concrete footers, small amount of steel siding S of former structure. No evidence of release.	SB-P6-541-01 through SB-P6-541-05	SB-P6-541-05 SB-P6-541-01	Sampling location SB-P6-541-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P6-541-01.	1	1			2	2	2							1	1	Metals		Metals (5-12E & 5-25D)
P6-651	3	Blender 651	Only concrete footer remains. No evidence of release.	SB-P6-651-01 through SB-P6-651-05	SB-P6-651-02 SB-P6-651-04	Sampling location SB-P6-651-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P6-651-04.	2	2			2	2	2							1	1	Metals		Metals (5-12E & 5-25D)

Table 2-12

Storage Area Sampling Plan
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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
P6-9225	1	Shipping House	Cement pad with wooden structure, covered with steel siding. Loading dock on SW side-partially collapsed, no utilities. No evidence of release.	SB-P6-9225-01 through SB-P6-9225-05	SB-P6-9225-03 SB-P6-9225-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		2	2		1	1	1							1	1		SVOCs	SVOCs (5-12B & 5-25B)
P7-4	3	Unknown	Foundation debris piled up, most likely a former store house, there is an area of S.V. where this building once stood. The S.V. area looks to be covered with flyash.	SB-P7-4-01 through SB-P7-4-03	SB-P7-4-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 183 ppm at SB-P7-4-01		1	1		1	1	1							1	1	Metals, SVOCs		Metals (5-12E & 5-25D), SVOCs (5-12B & 5-25B)
P7-575	3,7	Blending Tower 575	Circular structure with inner foundation, may be tank like. Immediately N of inner circle is a sump like pit. Building completely removed. Two pipes entering the ground W of the sump. No evidence of a release.	SB-P7-575-01 through SB-P7-575-07 TP-P7-575-08	SB-P7-575-01 SB-P7-575-04 TP-P7-575-08	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling. Test Pit location placed downgradient from the sump.		3	2		3	3	3							2	2			
P7-9209	1	Shipping House #11	Wooden structure sided and roofed with steel, two narrow gauge rail loading docks on the S side and a truck loading dock on the E side. There is no evidence of a release.	SB-P7-9209-01 through SB-P7-9209-07	SB-P7-9209-03 SB-P7-9209-06	Sampling location SB-P7-9209-06 was determined using professional judgement; Sampling location SB-P7-9209-03 was determined using XRF screening. Results indicated a mercury concentration of 333 ppm at SB-P7-9209-03			1		2	2	2							1	1	Metals	E&E	Metals (5-12E & 5-25D), E&E (5-12C & 5-25C)
Q4-2	9	Stressed Vegetation	White material in this S.V. Area (area=25 sq ft)	SB-Q4-2-01 through SB-Q4-2-03	SB-Q4-2-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling		1	1										1	1	1			
Q6-1	1	Burn Pad #1	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.		SB-Q6-1-01	This AOC to be closed by Alliant Tech Systems.																		
Q6-2	1	Burn Pad #2	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-3	1	Burn Pad #3	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-4	1	Burn Pad #4	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-5	1	Burn Pad #5	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-583	5	Kerosene Storage	Two 220 gal kerosene tanks placed on a cement pad in a cement basin and a small galvanized steel shed. No evidence of release.	SB-Q6-583-01 through SB-Q6-583-04	SB-Q6-583-01 SB-Q6-583-02	Sampling location SB-Q6-583-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-Q6-583-02.	2													1	1			
Q6-584	4	Unknown	Small building associated with P6-9225 that has been removed, No evidence of a structure, former location estimated	SB-Q6-584-01 through SB-Q6-584-03	SB-Q6-584-02 SB-Q6-584-01	Sampling location SB-Q6-584-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-Q6-584-01.		2	2		2	2	2							1	1			
Q6-6	1	Burn Pad #6	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-7	1	Burn Pad #7	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.																		
Q6-8	3	House Storage	Old cement pad with loading dock, old use unknown, currently small steel shed that holds fire hose for burn area. No evidence of release	SB-Q6-8-01 through SB-Q6-8-05	SB-Q6-8-03 SB-Q6-8-05	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-Q6-8-03. A confirmation sample was collected at SB-Q6-8-05.		2	2		2	2	2							1	1		E&E	E&E (5-12C & 5-25C)
Q6-9311	4	Unknown	Building has been removed, location estimated from historical maps. No evidence of a release.	SB-Q6-9311-01 through SB-Q6-9311-03	SB-Q6-9311-03 SB-Q6-9311-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-Q6-9311-01.		2	2		2	2	2							1	1			
R5-1	9	Former Container Debris	Holding area for containers, all removed except one 5 gal steel container. No evidence of release.	SB-R5-1-01 through SB-R5-1-03	SB-R5-1-01 SB-R5-1-03	Sampling location SB-R5-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R5-1-03.		2	2											1	1		SVOCs	SVOCs (5-12B & 5-25B)
R5-2	9	Spill Area	There are three separate areas of SV, Area A contains some white material, Area B has no identifiable material, Area C has small metal wires and old rope; possible dumping area.	SB-R5-2-01 through SB-R5-2-06	SB-R5-2-01 SB-R5-2-03 SB-R5-2-05	Sampling locations SB-R5-2-01/05 were determined using professional judgement; Sampling location SB-R5-2-03 was determined using XRF screening. Results indicated a zinc concentration of 2,430 ppm at SB-R5-2-03		3	3											1	1	Metals		Metals (5-12E & 5-25D)
R6-1	1	New Burning Ground Command Post	Building used to watch and manage the burn area. No hazardous materials present. No evidence of a release.	SB-R6-1-01 through SB-R6-1-04	SB-R6-1-01 SB-R6-1-02	Sampling location SB-R6-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R6-1-02.		2	2											1	1			
R6-11	4	Unknown	Building has been removed, location estimated from historical maps. No evidence of a release.	SB-R6-11-01 through SB-R6-11-03	SB-R6-11-02 SB-R6-11-03	Sampling location SB-R6-11-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R6-11-03.		2	2		1	1	1							1	1			

Table 2-12

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AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
S6-1	4	Unknown	Building has been removed, location estimated from historical maps. No evidence of a release.	SB-S6-1-01 through SB-S6-1-05	SB-S6-1-05 SB-S6-1-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		1	1	1							1	1			
S7-1	3	Railroad Canteen	Currently only concrete piers present on S side; fired clay tiles present-used in construction. No evidence of release (area=300 sq ft).	SB-S7-1-01 through SB-S7-1-04	SB-S7-1-01 SB-S7-1-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling		2	2		2	2	2							1	1	SVOCs		SVOCs (5-12B & 5-25B)

Notes:

All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
TOC and GRAIN SIZE collected at each AOC
All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number

* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC Type

1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

Table 2-13

Miscellaneous and Off-Site Areas Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
D16-1	1	Administration Building	Wooden/siding construction over concrete block foundation. Ceramic steam catch pipe on SE corner. No evidence of release.	SB-D16-1-01 through SB-D16-1-05	SB-D16-1-01 through SB-D16-1-02	Sampling location SB-D16-1-02 was determined using professional judgement Sampling location SB-D16-1-01 was determined using VOC screening Results indicated a PID reading of 25 ppm and an FID reading of 40 ppm Analytical results did not detect elevated VOC concentrations	1	2	2											1	1			
D16-2	3	Club House	Bldg demolished-largely vegetated area; concrete debris present NW/SE corners of bldg possibly evident. No evidence of release.	SB-D16-2-01 through SB-D16-2-05	SB-D16-2-01 through SB-D16-2-04	Sampling location SB-D16-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D16-2-04		2	2											1	1	SVOCs		SVOCs (5-13B & 5-26A)
D16-3	4	Barracks	Bldgs demolished; No evidence of release	SB-D16-3-01 through SB-D16-3-05	SB-D16-3-05 through SB-D16-3-04	Sampling location SB-D16-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D16-3-04		2	2											1	1			
E15-8560	1,7	Sprayfield/Chlorine House # 1	Large sprayfield with PVC pipe present; concrete catch box on E side; chlorinator house on W side with concrete gutter to adjacent stream; sandy sprayfield, reduced vegetation present (area= 22,000 sq ft).	SB-E15-8560-01 through SB-E15-8560-27	SB-E15-8560-01 through SB-E15-8560-27	Each sampling location was screened for metals and E&E materials, none were found	27	27												1	1			
E16-8561	3,7	Former Sewage Treatment Plant	Wooden (pump) house adjacent to large concrete septic tank; wooden box-gutter leads across stream to a small shed. No evidence of release.	SB-E16-8561-01 through SB-E16-8561-04 TP-E16-8561-05	SB-E16-8561-02 SB-E16-8561-03 through SB-E16-8561-04 TP-E16-8561-05	Sampling locations were determined using professional judgement Location SB-E16-8561-02 was analyzed for VOCs, SB-E16-8561-03 for SVOCs and metals. Test Pit location was placed downgradient from the septic tank.	5	4	1											2	2	Metals	SVOCs	Metals (5-13E & 5-26B), SVOCs (5-13B & 5-26A)
G14-1	1,7	Guard House Office	Concrete pad with small concrete catch box at S corner (possibly only surface water drainage); old ceramic tile floor covers foundation. No evidence of release.	SB-G14-1-01 through SB-G14-1-04	SB-G14-1-02 SB-G14-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2	2											1	1	SVOCs		SVOCs (5-13B & 5-26A)
G14-2	4	Barracks	Bldg demolished-vegetated area remains; no foundation of bldg debris evident. No evidence of release.	SB-G14-2-01 through SB-G14-2-05	SB-G14-2-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1	SVOCs		SVOCs (5-13B & 5-26A)
H14-2	9	Debris Area	No evidence of former debris area; glassware removed; No evidence of release (area=100 sq ft)	SB-H14-2-01 through SB-H14-2-03	SB-H14-2-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		1	1											1	1			
H14-3	9	Rock Quarry	Inactive rock quarry; unknown items may have been buried here. No evidence of release (area=65,000 sq ft).	SB-H14-3-01 through SB-H14-3-20	SB-H14-3-03 SB-H14-3-19	Sampling location SB-H14-3-19 was determined using professional judgement Sampling location SB-H14-3-03 was determined using XRF screening Results indicated a lead concentration of 1,455 ppm at SB-H14-3-03		2	2											1	1	Metals		Metals (5-13E & 5-26B)
J14-2	3	Unknown Foundation	Minimal evidence of foundation; significant amount of stone present (probably granitic). No evidence of release.	SB-J14-2-01 through SB-J14-2-03	SB-J14-2-03 SB-J14-2-02	Sampling location SB-J14-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J14-2-02	2	2												1	1			
M11-1	4	Unknown Former Foundation	Building demolished, location determined from historic maps. No evidence of a release.	SB-M11-1-01 through SB-M11-1-03	SB-M11-1-02 SB-M11-1-01	Sampling location M11-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M11-1-01	2	2												1	1			
M11-8606	5	Water Storage	Concrete foundation with steel water tank; No evidence of a release	SB-M11-8606-01 through SB-M11-8606-04	SB-M11-8606-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 525 ppm and a zinc concentration of 14,220 ppm at SB-M11-8606-03	1	1												1	1	Metals, SVOCs		Metals (5-13E & 5-26B), SVOCs (5-13B & 5-26A)
N13-1	3	Unknown	Building demolished, large concrete pad with footers remain. Large concrete debris area to the S extending into a thick forest. No evidence of release.	SB-N13-1-01 through SB-N13-1-04	SB-N13-1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-13E & 5-26B)
N13-4	3	Unknown	Large concrete foundation with brick wall on NE side. Two large footers in the center. Building function unknown. No evidence of release.	SB-N13-4-01 through SB-N13-4-04	SB-N13-4-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	1	1												1	1	Metals		Metals (5-13E & 5-26B)
N13-5	10	Electric Transformer	Mounted to telephone pole with minimal discoloration on housing. No evidence of release.	SB-N13-5-01	SB-N13-5-01	Sample was collected at base of pole				1										1	1			
O13-1	9	Trap/Pistol Range	Trap/pistol range with an area of stressed vegetation within an area of shotgun impact. Concrete pad with trap house and three metal storage trailers (area=10,000 sq ft).	SB-O13-1-01 through SB-O13-1-18	SB-O13-1-01 through SB-O13-1-17	Sampling location was determined using professional judgement Screening results did not warrant biased sampling		2												1	1	Metals		Metals (5-13E & 5-26B)
O13-2	9	Trap/Pistol Range Perimeter	Perimeter of ranges to incorporate areas of suspected contamination. Potential release, lead evident along rear (area=110,000 sq ft)	SB-O13-2-01 through SB-O13-2-20	SB-O13-2-17 SB-O13-2-18	Sampling locations were determined using XRF screening Results indicated a lead concentration of 525 ppm at SB-O13-2-18 and 6,790 ppm at SB-O13-2-17		2												1	1	Metals		Metals (5-13E & 5-26B)
O13-4	3	Unknown	Large concrete foundation with 6" steel pipe extending up from foundation for 6', and a 2' x 2' steel plate bolted to pad. No evidence of release.	SB-O13-4-01 through SB-O13-4-04	SB-O13-4-02 SB-O13-4-01	Sampling location SB-O13-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-4-01	2	2												1	1			
O13-7	7	Unknown Pit	Posted as confined space entry pit. Concrete block structure with asphalt roof. No evidence of release. Sump associated with the building.	SB-O13-7-01 through SB-O13-7-04 TP-013-7-05	SB-O13-7-03 SB-O13-7-01 TP-O13-7-05	Sampling location SB-O13-7-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-7-01. Test Pit location placed downgradient from the sump.	3	2			1	1	1							2	2			
O13-8	10	Transformers	Three fairly new gray transformers; No evidence of release	SB-O13-8-01 through SB-O13-8-03	SB-O13-8-01 SB-O13-8-02 SB-O13-8-03	Samples were collected directly under transformers				3										1	1			
O13-8577	1,5	Chlorinator House/ Generator	Concrete block building with eyewash station in front. Adjacent concrete pad with emergency generator, transformer and No. 2 fuel oil tank. No evidence of release.	SB-O13-8577-01 through SB-O13-8577-04	SB-O13-8577-02 SB-O13-8577-03	Sampling location SB-O13-8577-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-8577-03	2	2											1	1	1			
O13-8604	1	Well No. 2	Small brick well house; No evidence of release	SB-O13-8604-01 through SB-O13-8604-04	SB-O13-8604-01 SB-O13-8604-03	Sampling location SB-O13-8604-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-8604-03	2	2												1	1			
O14-1	3	Unknown	Building demolished, steel mesh, concrete rubble, steel pipe, wood, rubber, and general building debris present. No evidence of release.	SB-O14-1-01 through SB-O14-1-03	SB-O14-1-01 SB-O14-1-03	Sampling location SB-O14-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O14-1-03	2	2												1	1			

Table 2-13

Miscellaneous and Off-Site Areas Sampling Plan
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	AOC Type	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	PP VOC	PP SVOC	PP Metals	PP PCB	E&E (8330)	NG	NC	NQ	PETN	Phenol	AN/Nitrate	Diazo	pH	Grain Size	TOC	Unrestricted Use Exceedances Identified in Draft	Additional Unrestricted Use Exceedances Identified in Review	Total Unrestricted Use Exceedances and Table References
O14-8603	1	Well No. 1	Small brick well house. Utility box in front containing a pump and a totalizing flow meter. No evidence of release.	SB-O14-8603-01 through SB-O14-8603-04	SB-O14-8603-02 SB-O14-8603-04	Sampling location SB-O14-8603-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O14-8603-04		2	2											1	1			

Notes:
All area measurements have been rounded to the nearest 100 feet.
All field screening samples were evaluated for VOCs utilizing a PID/FID, metals utilizing a XRF, and E&E compounds utilizing an Expray Test Kit.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
TOC and GRAIN SIZE collected at each AOC

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
* = AOC reserved for RI due to presence of contamination
** = Analytical group incorrectly identified in Draft as an unrestricted use exceedance

AOC = Area of Concern
XRF = X-ray Fluoresecence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector
Sq Ft = Square Foot
No. = Number

AOC Type
1 - Existing Building (at time of sampling)
2 - Soil Coverd Building
3 - Remnant Building (location evident)
4 - Remnant Building (location determined from historic maps
5 - Above Ground Storage Tanks/Tank Saddles
6 - Septic Tank/Leach Field
7 - Spill Containment Structure/Culvert/Wastewater Pit
8 - Above Grade Process Pipeline/Process Gutter
9 - Remnant Activity Area
10 -Transformer/Electrical Substation

Note: AOCs with more than 1 AOC Type present were sampled as one unit and are designated Complex AOCs.

All screening samples were evaluated for VOCs, Metals, and E&E compounds

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	1100 UJ	780 UJ	702 UJ	827 UJ	2043 UJ	824 UJ	977 UJ	758 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	2200 U	1600 U	1403 U	1653 UJ	4085 U	1647 U	1953 U	1515 U
ACROLEIN	UG/KG	NA	NA	NA	4500 U	3100 U	2806 U	3307 UJ	8170 U	3294 U	3906 U	3030 U
ACRYLONITRILE	UG/KG	1000	1000	5000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
BENZENE	UG/KG	1000	3000	13000	1100 UJ	780 UJ	702 UJ	827 UJ	2043 UJ	824 UJ	977 UJ	758 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
BROMOFORM	UG/KG	1000	86000	370000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
BROMOMETHANE	UG/KG	1000	79000	1000000	2200 U	1600 U	1403 U	1653 UJ	4086 U	1647 U	1953 U	1515 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
CHLOROBENZENE	UG/KG	1000	37000	680000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
CHLOROETHANE	UG/KG	NA	NA	NA	2200 U	1600 U	1403 U	1653 UJ	4086 U	1647 U	1953 U	1515 U
CHLOROFORM	UG/KG	1000	19000	28000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	2200 U	1200 J	1403 UJ	1653 UJ	490 J	211 J	588 J	1515 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 UJ	580 UJ	702 U	820 UJ	2929 U	830 U	904 U	733 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	1100 U	780 U	702 UJ	827 UJ	2043 UJ	824 UJ	977 UJ	758 UJ

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.
TOLUENE	UG/KG	500000	1000000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	1100 U	780 U	702 U	827 UJ	2043 U	824 U	977 U	758 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	1100 UJ	780 UJ	702 UJ	827 UJ	2043 UJ	824 UJ	977 UJ	758 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	2200 UJ	1600 UJ	1403 UJ	1653 UJ	4086 UJ	1647 UJ	1953 UJ	1515 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-28 9/23/1999 0 - 0.67 ft.	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0.5 - ft.	SB-UD-33 10/1/1999 1 - ft.	SB-UD-34 9/29/1999 0.8 - ft.	SB-UD-35 9/28/1999 0 - 1 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	861 UJ	1015 UJ	893 UJ	1202 UJ	1421 U	1454 U	694 UJ	980 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1722 UJ	2029 U	1786 U	2404 U	2841 U	2907 U	1389 UJ	1959 UJ
ACROLEIN	UG/KG	NA	NA	NA	3444 U	4058 U	3571 U	4808 U	5682 U	5814 U	2778 UJ	3919 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
BENZENE	UG/KG	1000	3000	13000	861 UJ	1015 UJ	893 UJ	1202 UJ	1421 U	1454 U	694 UJ	980 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
BROMOFORM	UG/KG	1000	86000	370000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1722 U	2029 U	1786 U	2404 U	2841 U	2907 U	1389 UJ	1959 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1722 U	2029 U	1786 U	2404 U	2841 U	2907 U	1389 UJ	1959 UJ
CHLOROFORM	UG/KG	1000	19000	28000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1722 UJ	2029 U	1786 U	2404 U	2841 UJ	2907 UJ	1389 UJ	1959 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	861 UJ	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	835 U	962 U	946 U	1099 U	929 U	1090 U	458 U	868 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	861 UJ	1015 UJ	893 UJ	1202 UJ	1421 U	1454 U	694 UJ	980 UJ

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-28 9/23/1999 0 - 0.67 ft.	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0.5 - ft.	SB-UD-33 10/1/1999 1 - ft.	SB-UD-34 9/29/1999 0.8 - ft.	SB-UD-35 9/28/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	861 U	1015 U	893 U	1202 U	1421 U	1454 U	694 UJ	980 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	861 UJ	1015 UJ	893 UJ	1202 UJ	1421 U	1454 U	694 UJ	980 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1722 UJ	2029 UJ	1786 UJ	2404 UJ	2841 UJ	2907 UJ	1389 UJ	1959 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1613 UJ	1457 UJ	1863 UJ	1484 UJ	1485 UJ
ACROLEIN	UG/KG	NA	NA	NA	3225 UJ	2914 UJ	3726 UJ	2968 UJ	2970 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
BENZENE	UG/KG	1000	3000	13000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
BROMOFORM	UG/KG	1000	86000	370000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1613 UJ	1457 UJ	1863 UJ	1484 UJ	1485 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	806 UJ	728 UJ	931 UJ	742 UJ	566 J
CHLOROETHANE	UG/KG	NA	NA	NA	1613 UJ	1457 UJ	1863 UJ	1484 UJ	1485 UJ
CHLOROFORM	UG/KG	1000	19000	28000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1613 UJ	227 J	1863 UJ	1484 UJ	1485 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	669 U	624 U	738 U	597 U	417 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ

Table 4-1A

Background Sample Results
Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	806 UJ	728 UJ	931 UJ	742 UJ	743 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1613 UJ	1457 UJ	1863 UJ	1484 UJ	1485 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.	SB-UD-28 9/23/1999 0 - 0.67 ft.
Semi-Volatile Organic Compounds													
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2100 U	2000 U	4900 U	2400 U	2600 U	2200 U	2500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
2-NITROPHENOL	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	960 U	920 U	820 U	800 U	2000 U	960 U	1000 U	880 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2400 U	2300 U	2100 U	2000 U	4900 U	2400 U	2600 U	2200 U	2500 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2400 U	2300 U	2100 U	2000 U	4900 U	2400 U	2600 U	2200 U	2500 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	480 U	460 U	410 U	27 J	980 U	480 U	520 U	440 U	510 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	480 U	460 U	410 U	19 J	980 U	480 U	520 U	440 U	22 J
ANTHRACENE	UG/KG	100000	10000000	10000000	480 U	460 U	410 U	53 J	980 U	480 U	520 U	440 U	510 U
BENZIDINE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	55 J	460 U	410 U	280 J	250 J	480 U	120 J	440 U	220 J
BENZO(a)PYRENE	UG/KG	100000	660	660	480 U	460 U	410 U	300 J	270 J	480 U	150 J	440 U	260 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	480 U	460 U	410 U	360 J	280 J	480 U	210 J	440 U	330 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	480 U	460 U	410 U	120 J	980 U	480 U	520 U	440 U	120 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	480 U	460 U	410 U	230 J	980 U	480 U	520 U	440 U	180 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	480 U	460 U	410 U	52 J	62 J	480 U	48 J	440 U	63 J
CHRYSENE	UG/KG	500000	9000	40000	53 J	460 U	410 U	300 J	290 J	480 U	160 J	440 U	290 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	85 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.	SB-UD-28 9/23/1999 0 - 0.67 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	120 J	460 U	410 U	560	570 J	81 J	330 J	440 U	620
FLUORENE	UG/KG	100000	2300000	10000000	480 U	460 U	410 U	33 J	980 U	480 U	520 U	440 U	28 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	480 U	460 U	410 U	120 J	980 U	480 U	520 U	440 U	98 J
ISOPHORONE	UG/KG	50000	1100000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
NAPHTHALENE	UG/KG	100000	230000	4200000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2400 U	2300 U	2100 U	2000 U	4900 U	2400 U	2600 U	2200 U	2500 U
PHENANTHRENE	UG/KG	NA	NA	NA	84 J	460 U	410 U	360 J	350 J	480 U	210 J	440 U	400 J
PHENOL	UG/KG	50000	10000000	10000000	480 U	460 U	410 U	400 U	980 U	480 U	520 U	440 U	510 U
PYRENE	UG/KG	100000	1700000	10000000	150 J	460 U	410 U	670	550 J	480 U	350 J	440 U	640

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0 - 2 ft.	SB-UD-33 10/1/1999 0 - 2 ft.	SB-UD-34 9/29/1999 0 - 1.5 ft.	SB-UD-35 9/28/1999 0 - 1 ft.	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.
Semi-Volatile Organic Compounds													
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2600 U	2000 U	2700 U	2100 U	29000 U	25000 U	21000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	860 U	960 U	1000 U	810 U	1100 U	820 U	11000 U	9800 U	8600 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2200 U	2400 U	2600 U	2000 U	2700 U	2100 U	29000 U	25000 U	21000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2200 U	2400 U	2600 U	2000 U	2700 U	2100 U	29000 UJ	25000 U	21000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 U	480 U	45 J	410 U	540 U	410 U	5700 U	4900 U	4300 U
BENZO(a)PYRENE	UG/KG	100000	660	660	430 U	480 U	54 J	28 J	540 U	410 U	5700 U	4900 U	4300 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	480 U	31 J	410 U	540 U	23 J	5700 U	4900 U	4300 U
CHRYSENE	UG/KG	500000	9000	40000	430 U	480 U	59 J	410 U	540 U	410 U	5700 U	4900 U	4300 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	480 U	47 J	170 J	540 U	410 U	5700 U	4900 U	4300 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 UJ

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0 - 2 ft.	SB-UD-33 10/1/1999 0 - 2 ft.	SB-UD-34 9/29/1999 0 - 1.5 ft.	SB-UD-35 9/28/1999 0 - 1 ft.	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	43 J	55 J	120 J	410 U	540 U	410 U	5700 U	4900 U	4300 U
FLUORENE	UG/KG	100000	2300000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	480 U	510 U	410 U	540 U	410 UJ	5700 U	4900 U	4300 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2200 U	2400 U	2600 U	2000 U	2700 U	2100 U	29000 U	25000 U	21000 U
PHENANTHRENE	UG/KG	NA	NA	NA	430 U	480 U	78 J	39 J	540 U	28 J	5700 U	4900 U	4300 U
PHENOL	UG/KG	50000	10000000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	480 U	510 U	410 U	540 U	410 U	5700 U	4900 U	4300 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
Semi-Volatile Organic Compounds							
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	5500 U	430 U	4800 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	5500 U	430 U	4800 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	5500 U	430 U	4800 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	5500 U	430 U	4800 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	5500 U	430 U	4800 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	5500 U	430 U	4800 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	5500 U	430 U	4800 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	27000 U	2100 U	24000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	5500 U	430 U	4800 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	5500 U	430 U	4800 U
2-NITROPHENOL	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	11000 U	860 U	9600 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	27000 U	2100 U	24000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	5500 U	430 U	4800 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
4-NITROPHENOL	UG/KG	NA	NA	NA	27000 U	2100 U	24000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	5500 U	430 U	4800 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
ANTHRACENE	UG/KG	100000	10000000	10000000	5500 U	430 U	4800 U
BENZIDINE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	5500 U	430 U	4800 U
BENZO(a)PYRENE	UG/KG	100000	660	660	5500 U	430 U	4800 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	5500 U	430 U	4800 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	5500 UJ	430 U	4800 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	5500 U	430 U	4800 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	5500 U	430 U	4800 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	5500 U	430 U	4800 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	5500 U	85 J	4800 U
CHRYSENE	UG/KG	500000	9000	40000	5500 U	430 U	4800 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	5500 U	430 U	4800 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	5500 U	430 U	4800 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	5500 UJ	430 U	4800 UJ

Table 4-1B

Background Sample Results
Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	5500 U	430 U	4800 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	5500 U	430 U	4800 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	5500 U	430 U	4800 U
FLUORENE	UG/KG	100000	2300000	10000000	5500 U	430 U	4800 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	5500 U	430 U	4800 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	5500 U	430 U	4800 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	5500 UJ	430 U	4800 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	5500 U	430 U	4800 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	5500 UJ	430 U	4800 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	5500 U	430 U	4800 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	5500 U	430 U	4800 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	5500 U	430 U	4800 U
NAPHTHALENE	UG/KG	100000	230000	4200000	5500 U	430 U	4800 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	27000 U	2100 U	24000 U
PHENANTHRENE	UG/KG	NA	NA	NA	5500 U	430 U	4800 U
PHENOL	UG/KG	50000	10000000	10000000	5500 U	430 U	4800 U
PYRENE	UG/KG	100000	1700000	10000000	5500 U	430 U	4800 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1C

Background Sample Results
Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	500 U	430 U	480 U	430 U	500 U	450 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	420 U	500 U	500 U	430 U	480 U	430 U	500 U	450 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	500 U	430 U	480 U	430 U	500 U	450 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	420 U	500 U	500 U	430 U	480 U	430 U	500 U	450 U
NITROBENZENE	UG/KG	10000	39000	510000	210 U	250 U	250 U	220 U	240 U	220 U	250 U	230 U
NITROCELLULOSE	MG/KG	NA	NA	NA	82.9 J	66.9 J	88 J	96.1 J	230 J	97.5 J	126 J	244 J
NITROGLYCERIN	UG/KG	NA	46000	200000	4546 U	5000 U	5000 U	4651 U	4878 U	4651 U	5000 U	4546 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	420 U	500 U	500 U	430 U	480 U	430 U	500 U	450 U
TETRYL	UG/KG	NA	780000	10000000	420 U	500 U	500 R	430 R	480 R	430 R	500 R	450 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1C

Background Sample Results
Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-28 9/23/1999 0 - 0.67 ft.	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0 - 2 ft.	SB-UD-33 10/1/1999 0 - 2 ft.	SB-UD-34 9/29/1999 0 - 1.5 ft.	SB-UD-35 9/28/1999 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	227.3 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	227.3 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	227.3 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	240 U	220 U	250 U	217 U	217 U	227.3 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	**177.1 J**
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	430 U	500 U	435 U	435 U	454.5 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	480 U	430 U	500 U	435 U	435 U	454.5 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	263.7
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	430 U	500 U	435 U	435 U	454.5 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	480 U	430 U	500 U	435 U	435 U	454.5 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	240 U	220 U	250 U	217 U	217 U	227.3 U
NITROCELLULOSE	MG/KG	NA	NA	NA	99.1 J	59 J	119 J	115 J	49.9 J	88 J	44.9 UJ	136 J
NITROGLYCERIN	UG/KG	NA	46000	200000	4878 U	5000 U	4651 U	5000 U	5842.8 U	8130.1 U	4761.9 U	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	480 U	430 U	500 U	435 U	435 U	454.5 U
TETRYL	UG/KG	NA	780000	10000000	500 R	500 R	480 R	430 R	500 U	435 U	435 U	454.5 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1C

Background Sample Results
Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U
NITROBENZENE	UG/KG	10000	39000	510000	208.3 U	208.3 U	217.4 U	238.1 U	208.3 U
NITROCELLULOSE	MG/KG	NA	NA	NA	82.1 J	94.5 J	84.7 J	69 J	43.4 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	4761.9 U	4761.9 U	5000 U	5000 U	4444.4 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U
TETRYL	UG/KG	NA	780000	10000000	416.7 U	416.7 U	434.8 U	476.2 U	416.7 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1D

Background Sample Results
PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.	SB-UD-28 9/23/1999 0 - 0.67 ft.
Polychlorinated Biphenyls													
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	25 U	24 U	21 U	21 U	51 UJ	25 UJ	27 U	23 U	26 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	48 UJ	47 UJ	42 UJ	40 UJ	100 UJ	49 UJ	53 UJ	45 UJ	51 UJ
TOTAL PCBS	UG/KG	50000	490	2000	48 U	47 U	42 U	40 U	100 UJ	49 UJ	53 U	45 U	51 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1D

Background Sample Results
PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0 - 2 ft.	SB-UD-33 10/1/1999 0 - 2 ft.	SB-UD-34 9/29/1999 0 - 1.5 ft.	SB-UD-35 9/28/1999 0 - 1 ft.	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.
Polychlorinated Biphenyls													
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	22 U	25 U	26 U	21 U	28 U	21 U	30 U	26 U	22 UJ
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	44 UJ	49 UJ	52 UJ	42 U	55 U	42 U	58 UJ	50 UJ	44 UJ
TOTAL PCBS	UG/KG	50000	490	2000	44 U	49 U	52 U	42 U	55 U	42 U	58 U	50 U	44 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1D

Background Sample Results
PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
Polychlorinated Biphenyls							
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	28 U	22 U	25 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	55 UJ	44 UJ	50 UJ
TOTAL PCBS	UG/KG	50000	490	2000	55 U	44 U	50 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Background samples were collected as part of the Undeveloped Area Preliminary Assessment/Site Investigation (PA/SI) which was further utilized during the Soils – SI to identify background conditions at the Facility that exceed the New Jersey Soil Clean-Up Criteria (NJSCC). The PA/SI was submitted to NJDEP in December 2000.

Table 4-1E

Background Sample Results
Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-19 9/21/1999 0 - 1.5 ft.	SB-UD-20 9/21/1999 0 - 1 ft.	SB-UD-22 9/23/1999 0 - 1 ft.	SB-UD-23 9/23/1999 0 - 0.83 ft.	SB-UD-24 9/23/1999 0 - 0.67 ft.	SB-UD-25 9/23/1999 0 - 1 ft.	SB-UD-26 9/23/1999 0 - 0.67 ft.	SB-UD-27 9/23/1999 0 - 0.67 ft.	SB-UD-28 9/23/1999 0 - 0.67 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.52 BJ	1.2 UJ	1 UJ	1 UJ	1.6 JN	1.3 UJ	1.2 JN	1.2 UJ	0.74 JN
ARSENIC	MG/KG	NA	20	20	5.5	4.2	5.4	4.8	18.6	4.7	15.8	6.1	9.7
BERYLLIUM	MG/KG	NA	2	2	0.54 B	0.23 B	0.58 B	0.64	0.66 B	0.75 B	0.47 B	0.24 B	**2.1**
CADMIUM	MG/KG	NA	39	100	0.75 U	0.74 U	0.61 U	0.62 U	0.93 B	0.78 U	0.88 U	0.71 U	0.11 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.1	17.2	19.5	15.9	20	13.5	102	20.1	16
COPPER	MG/KG	NA	600	600	10.2	6.8	16.1 U	10.6 U	42	11.8 U	21.6 U	8.6 U	20.9 U
LEAD	MG/KG	NA	400	600	34.2	20.7	18.5	54.3	272	37.3	134	37.7	77.8
MERCURY	MG/KG	NA	14	270	0.09	0.04 B	0.06	0.08	0.49	0.08	0.37	0.07	0.22
NICKEL	MG/KG	NA	250	2400	7.7	6.7	10.2	9.7	9.7	7.1	49.2	8.7	12.3
SELENIUM	MG/KG	NA	63	3100	0.81 B	1.3	1.2	0.88 B	6.2	0.87 B	2.6	1.2	2.6
SILVER	MG/KG	NA	110	4100	0.75 U	0.74 U	0.61 U	0.62 U	0.51 B	0.78 U	0.22 B	0.71 U	0.56 B
THALLIUM	MG/KG	NA	2	2	2.5 U	2.5 U	2 U	2.1 U	5.8 U	2.6 U	2.9 U	2.4 U	2.9 U
ZINC	MG/KG	NA	1500	1500	41.4	49.2	51 U	70.4	96.4	62.5 U	61.4 U	35.9 U	199

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Table 4-1E

Background Sample Results
Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-29 9/23/1999 0 - 2 ft.	SB-UD-30 9/23/1999 0 - 0.83 ft.	SB-UD-31 9/23/1999 0 - 0.67 ft.	SB-UD-32 10/1/1999 0 - 2 ft.	SB-UD-33 10/1/1999 0 - 2 ft.	SB-UD-34 9/29/1999 0 - 1.5 ft.	SB-UD-35 9/28/1999 0 - 1 ft.	SB-UD-36 9/28/1999 0 - 1 ft.	SB-UD-37 9/28/1999 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	1 UJ	0.96 JN	0.93 JN	0.68 J	1.2 UJ	0.96 UJ	1 UJ	1 UN	1.2 UN
ARSENIC	MG/KG	NA	20	20	5.2	8.5	13.2	4.2	1.9	4.5	7.2	6.9	6.8
BERYLLIUM	MG/KG	NA	2	2	0.62 B	0.77	**2.8**	0.39 B	0.19 B	0.54 B	0.54 B	1.1	0.93
CADMIUM	MG/KG	NA	39	100	0.63 U	0.75 U	0.36 B	0.65 U	0.87 U	0.57 U	0.2 B	0.18 B	0.71 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.5	16.5	12.4	12.8	16.6	15.4	14.1	12.8	18.8
COPPER	MG/KG	NA	600	600	9.6 U	15.5 U	18.1	8	13	7	15.3 E	16.6 E	18.6 E
LEAD	MG/KG	NA	400	600	20.1	63.6	61.1	27	22.7	20.9	51.5	45.2	28.3
MERCURY	MG/KG	NA	14	270	0.07	0.11	0.18	0.08	0.1	0.04	0.14	0.15	0.04
NICKEL	MG/KG	NA	250	2400	11.1	9.2	10.9	6	7	6.9	6.9	8.2	9.7
SELENIUM	MG/KG	NA	63	3100	0.9 B	1.6	2.5	1.1 U	1.5 U	0.9 B	1.7	1.7	2
SILVER	MG/KG	NA	110	4100	0.63 U	0.45 B	0.21 B	0.65 U	0.87 U	0.57 U	0.16 B	0.28 B	0.71 U
THALLIUM	MG/KG	NA	2	2	2.1 U	2.5 U	2.7 U	2.2 U	2.9 U	1.9 U	2.1 U	2 U	2.4 U
ZINC	MG/KG	NA	1500	1500	57 U	83.4	135	50.6	53.4	46.5	78.1 *	131 *	94.3 *

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Table 4-1E

Background Sample Results
Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-UD-38 9/28/1999 0 - 2 ft.	SB-UD-39 9/28/1999 0 - 1.5 ft.	SB-UD-40 9/28/1999 0 - 1 ft.
Metals, Total							
ANTIMONY	MG/KG	NA	14	340	1.5 UN	1.1 UJ	0.9 UN
ARSENIC	MG/KG	NA	20	20	1.9	4.3	5.3
BERYLLIUM	MG/KG	NA	2	2	0.4 B	0.88	0.79
CADMIUM	MG/KG	NA	39	100	0.12 U	0.25 B	0.54 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.1	11.8	15.9
COPPER	MG/KG	NA	600	600	9.2 E	8.9 E	12.9 E
LEAD	MG/KG	NA	400	600	59.6	36.5	24.8
MERCURY	MG/KG	NA	14	270	0.14	0.04	0.07
NICKEL	MG/KG	NA	250	2400	4.3	7.2	8.7
SELENIUM	MG/KG	NA	63	3100	1.2 B	1.3	1.2
SILVER	MG/KG	NA	110	4100	0.9 U	0.67 U	0.54 U
THALLIUM	MG/KG	NA	2	2	3 U	2.2 U	1.8 U
ZINC	MG/KG	NA	1500	1500	18.3 *	95.4 *	69.7 *

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Table 5-14A

Exceedance Summary
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 U	2000 U	1900 U	2300 U	2100 U	876 U	844 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**72 J**	**55 J**	**41 J**	**121 J**	**733 J**	**6978 J**	**380.3 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	37 J	400 U	67 J	190 J	410 U	438 U	619
BENZO(a)PYRENE	UG/KG	100000	660	660	35 J	37 J	63 J	190 J	410 U	438 U	**1160 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	400 U	80 J	380 J	410 U	438 U	786 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	400 U	380 U	170 J	410 U	438 U	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	400 U	380 U	210 J	410 U	438 U	443 J

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14A

Exceedance Summary
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	1900 U	2100 U	803 UJ	2300 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**130 J**	**1500**	**292 J**	**248.1 J**	**3300**	**193 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	560	540	401 U	**1600**	40 J
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	520	580	401 U	**1500**	77 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	770	870	401 U	**2600**	130 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	270 J	210 J	NR	760	460 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	160 J	330 J	401 U	640	460 UJ

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14A

Exceedance Summary
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2000 U	2800 U	2300 U	**16800**	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**76 J**	**280 J**	**1000 J**	**1003 J**	**342900 J**	**533 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	480 U	140 J	560 U	460 U	4100 U	180 J
BENZO(a)PYRENE	UG/KG	100000	660	660	480 U	150 J	57 J	460 U	4100 U	170 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	480 U	180 J	560 U	460 U	4100 U	250 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	480 U	140 J	560 U	460 U	4100 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	480 U	400 U	560 U	460 U	4100 U	450 U

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RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14A

Exceedance Summary
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	TP-B10-503-07 8/17/2000 7.5 - 9.5 ft.
Semi-Volatile Organic Compounds							
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	790 UJ	761 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	480 U	**118 J**	**2082**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**4100**	212 J	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**3700**	188 J	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**3900**	270 J	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**2300**	90.05 J	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1700 J**	94 J	380 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14B

Exceedance Summary
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-1-04 6/8/2000 0 - 2 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 11/19/1999 0 - 2 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.
Energetics & Explosives												
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	NR	240 U	220 U	240 U	**3100 J**	250 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 U	NR	**740 J**	**390 J**	**3200**	**14600000 J**	**2200 J**	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**120 J**	NR	240 U	220 U	240 U	**19000 J**	250 U	**240 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	NR	240 U	**1300 J**	**8100**	220 UJ	**1700 J**	**150 J**
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	NR	240 U	980 J	**5700 J**	220 UJ	990 J	150 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6354 U	6000 U	5537.1 U	5714.3 U	NR	6376.5 U	5463.3 U	6016.8 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14B

Exceedance Summary
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.	SB-B11-513-05 10/14/1999 0 - 1 ft.	SB-B11-602C-07 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	217.4 U	**821**	208.4 U	210 U	240 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	217.4 U	250 U	208.4 U	**11000 J**	**120 J**	**20000 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**1275.8**	**23600 J**	**383.4**	210 U	240 U	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**1351.7 J**	250 U	**508.3 J**	**3400 J**	240 U	220 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	1290	1830 R	433.8	**4800**	240 U	2100 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5763.5 U	6610 U	5705.3 U	5967.3 U	5224.7 U	621.9 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14B

Exceedance Summary
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.	SB-B13-682-06 10/8/1999 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**945**	**870 J**	192.3 U	250 U	230 U	**3900**	**1000 J**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**274000 J**	**1600 J**	**287.5**	**1700 J**	**490 J**	**570 J**	**9600 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**1110 J**	**4800 J**	192.3 U	250 U	230 U	**14000**	**3800 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	3110 R	**18000 J**	**3760.8 J**	**3100**	230 U	210 U	**3200 J**
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	3910 R	**8500 J**	1925.4 R	2600 J	230 U	210 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5940 U	6973.5 U	6822.4 U	2298.1	5655.5 U	7739 U	6709.8 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14B

Exceedance Summary
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	TP-B10-503-07 8/17/2000 7.5 - 9.5 ft.	TP-B10-506-07 8/17/2000 3.5 - 5.5 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**9110 J**	250 U	**1500 J**	227 U	250 U	227 U	217 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**39568000 J**	**190 J**	**1600 J**	**1450 J**	**2290 J**	**333000 J**	**231 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**1140000 J**	**270**	**3700 J**	227 U	231 R	**967**	217 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 UJ	250 U	**1500 J**	217 R	250 U	**1630 J**	217 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 UJ	250 U	210 U	125 R	250 U	3060 J	217 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**476000000 J**	5328.8 U	6030.5 U	21700	5648 U	5570 U	5180 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-14C

Exceedance Summary
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1 UN	0.43 UN	0.59 UJ	0.46 UJ	0.56 UJ	0.52 UJ	11.6 UJ
ARSENIC	MG/KG	NA	20	20	10.1	4.3	5.5	3	6.3	5.9	**41**
COPPER	MG/KG	NA	600	600	19.8	13.1	22	27.8	**874**	23.3	128
LEAD	MG/KG	NA	400	600	**1250**	**679**	**1700 J**	**577 J**	**1290 J**	**417 J**	**5570**
ZINC	MG/KG	NA	1500	1500	424	157	68.3	190	211	59.6	**4810**

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-14C

Exceedance Summary
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	2.3 UJ	5.7 UJ	**14.5 J**	0.47 UN	1 N	1.3 J
ARSENIC	MG/KG	NA	20	20	7	**28.3**	**24.1**	5.4	6.9	14.9
COPPER	MG/KG	NA	600	600	34.7	**644**	171	18.8	25	31.3
LEAD	MG/KG	NA	400	600	**858 J**	**1540 J**	**2190**	**1550**	**3070**	**10200**
ZINC	MG/KG	NA	1500	1500	**3990**	**2720**	258	83	159	112 *N

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ft. = Feet below ground surface

Table 5-15A

Exceedance Summary
Dynamite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-6-04 7/14/2000 0.5 - 1.0 ft.
Volatile Organic Compounds					
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	**2630**

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface

Table 5-15B

Exceedance Summary
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-418-04 7/12/2000 0 - 1.5 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-C14-1-03 7/6/2000 0 - 1 ft.	SB-C14-4-03 7/6/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**390 J**	**60 J**	**56.59 J**	**94.38 J**	7400 U	**190 J**	**6555000 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	62 J	120 J	410 U	379 U	**13000**	375 U	429000 U
BENZO(a)PYRENE	UG/KG	100000	660	660	34 J	120 J	410 U	379 U	**9700**	375 U	429000 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	230 J	410 U	379 U	**14000**	375 U	429000 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	100 J	410 U	379 U	**4500 J**	375 U	429000 U
CHRYSENE	UG/KG	500000	9000	40000	100 J	190 J	410 U	379 U	**9900**	375 U	429000 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	430 UJ	410 U	379 U	**2200 J**	375 U	429000 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	430 UJ	410 U	379 U	**6000 J**	375 U	429000 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-15B

Exceedance Summary
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.	SB-D13-273B-04 7/6/2000 0 - 2 ft.	SB-D14-120-03 7/6/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**190 J**	**5483 J**	**460 J**	**410 J**	373 U	**83 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	88 J	97.4 J	**4000**	51 J	**2170**	79 J
BENZO(a)PYRENE	UG/KG	100000	660	660	77 J	80.43 J	**2500 J**	78 J	**1780**	77.9 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	130 J	112 J	**4800 J**	180 J	**2380**	116 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	547 U	**1500 J**	410 U	800	391 U
CHRYSENE	UG/KG	500000	9000	40000	150 J	83.72 J	3300	120 J	1760	154 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	547 U	240 J	410 U	373 U	391 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	547 U	710 J	100 J	**905**	391 U

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Table 5-15B

Exceedance Summary
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-129-03 7/6/2000 0 - 2 ft.	SB-D14-360-03 11/3/1999 0 - 2 ft.	SB-D14-6-02 7/6/2000 0 - 2 ft.	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E10-1-13 11/4/1999 0 - 2 ft.	SB-E11-52-04 7/12/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**89.4 J**	**180 J**	**95.4 J**	**150 J**	**540 J**	**170 J**	382 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	478 U	130 J	401 U	170 J	45 J	72 J	437
BENZO(a)PYRENE	UG/KG	100000	660	660	478 U	130 J	401 U	180 J	540 U	61 J	425
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	478 U	290 J	401 U	250 J	540 U	110 J	**1050**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	478 U	86 J	401 U	130 J	540 U	410 U	389
CHRYSENE	UG/KG	500000	9000	40000	478 U	200 J	401 U	170 J	51 J	93 J	648
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	478 U	420 U	401 U	400 U	540 U	410 U	382 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	478 U	97 J	401 U	110 J	540 U	410 U	261 J

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Table 5-15B

Exceedance Summary
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E13-325-02 10/25/1999 0 - 2 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	480 U	391 U	390 U	**172 J**	400 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1000**	680	**1780**	120 J	720	880
BENZO(a)PYRENE	UG/KG	100000	660	660	**730**	638 J	**1750**	53 J	620	**810**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1100**	**1340 J**	**2480**	120 J	**1100**	**1300**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	440 J	466 J	845	390 U	350 J	280 J
CHRYSENE	UG/KG	500000	9000	40000	890	686	2250	150 J	780	920
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	130 J	138 J	390 U	390 U	180 J	170 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	330 J	355 J	**950**	390 U	430	480

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-15C

Exceedance Summary
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-275-02 10/20/1999 0 - 2 ft.	SB-C12-418-04 7/12/2000 0 - 1.5 ft.	SB-C13-1-17 11/2/1999 0 - 2 ft.
Energetics & Explosives										
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	200 U	**162 J**	**760 J**	192.3 U	**130000 D**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**820**	**180 J**	**803 J**	**520 J**	**290 J**	4200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	200 U	**328**	**560 J**	192.3 U	4200 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-15C

Exceedance Summary
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D12-282A-05 10/27/1999 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.
Energetics & Explosives										
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	220 U	238.1 U	220 U	220 U	220 U	**462**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**390 J**	**7590**	**2000 J**	**740 J**	**320**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	220 U	1300 R	220 U	220 U	220 U	**563**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-15C

Exceedance Summary
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-3-04 11/3/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E11-2064-01 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E13-2074-01 10/26/1999 0 - 2 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**280 J**	**32000 J**	230 U	**250**	240 UJ	**250 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	2100 U	**200 J**	200 U	**190 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**230 J**	250 U	**2700 D**	230 U	200 U	240 UJ	**1200**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-274-01 10/21/1999 0 - 2 ft.	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-3-03 10/19/1999 0 - 2 ft.	SB-C12-4-01 10/19/1999 0 - 2 ft.	SB-C12-5-02 10/20/1999 0 - 2 ft.	SB-C13-262B-01 11/1/1999 0 - 2 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	3.5	4	28.8 U	2.4	23.6 U	**22.7 N**	11.4 N
COPPER	MG/KG	NA	600	600	**1930**	19.3	130	10.3	**47000**	24.8	71.3
LEAD	MG/KG	NA	400	600	50.1	**3770**	**93300 J**	**1360 J**	**1630 J**	51.9	**13500**
THALLIUM	MG/KG	NA	2	2	0.92 U	0.85 U	57.7 U	1 U	47.2 U	0.84 U	1.8 U
ZINC	MG/KG	NA	1500	1500	43.4	144	**2880**	109	**3000**	132	986

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-208A-01 11/4/1999 0 - 2 ft.	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D12-209B-02 11/4/1999 0 - 2 ft.	SB-D12-286A-04 10/22/1999 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D13-264A-03 6/28/2000 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	14.9	17.2	**33.5**	**53**	5.2	**188**	13.9
COPPER	MG/KG	NA	600	600	56.7 J	22.3 J	20.4	47.8 J	419	197	18.9
LEAD	MG/KG	NA	400	600	**553**	**452**	175	181	**471**	**1590**	111
THALLIUM	MG/KG	NA	2	2	1.3 U	0.93 U	1.2 U	0.98 U	1.1 U	2 U	**2.18 J**
ZINC	MG/KG	NA	1500	1500	40.1 N	50.5 N	59 J	78.3 N	469	**1520**	574

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-265A-06 11/4/1999 0 - 2 ft.	SB-D13-268-01 11/3/1999 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.	SB-D13-303F-02 11/4/1999 0 - 2 ft.	SB-D14-204B-01 10/26/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-667-03 10/22/1999 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	10.8	**25.6**	3.57	**40.3**	**335**	**140**	5.3
COPPER	MG/KG	NA	600	600	29.4 J	54.7	10.7	17.1 J	25.6	22.6	87.8
LEAD	MG/KG	NA	400	600	**2100**	**3680**	13.5	64.9	**469**	88	**875**
THALLIUM	MG/KG	NA	2	2	0.99 U	0.82 U	**2.27 J**	1.9 U	1.1 U	1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	740 N	712	197	285 N	27.9	61.3	235

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-12-04 10/25/1999 0 - 2 ft.	SB-E11-2064-01 10/28/1999 0 - 2 ft.	SB-E11-2064-02 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E11-218B-02 7/12/2000 0 - 2 ft.	SB-E11-52-04 7/12/2000 0 - 2 ft.	SB-E11-7-02 7/12/2000 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**338 N**	**25.1**	**22.1**	**36.4**	19.9	**183**	**63.9**
COPPER	MG/KG	NA	600	600	16	13.9	25.1	14	32.2	31.9	**3590**
LEAD	MG/KG	NA	400	600	93.3	31	35.5	17.4	**944 J**	242 J	**61400 J**
THALLIUM	MG/KG	NA	2	2	0.95 U	0.94 U	0.96 U	0.86 U	5.45 U	1.14 U	13 U
ZINC	MG/KG	NA	1500	1500	652	60.2 J	121 J	88.9 J	48.6	35.6	**5980**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-286B-02 10/19/1999 0 - 2 ft.	SB-E12-286D-05 10/25/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E13-2074-01 10/26/1999 0 - 2 ft.	SB-E13-2076-02 10/25/1999 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**183**	**80.1**	**57.2 N**	**198 J**	**36.1**	**40.3**	**253 N**
COPPER	MG/KG	NA	600	600	17.9	46.6	133	18.6 J	10.5	45.7	23.7
LEAD	MG/KG	NA	400	600	52.9	99.8 J	383	50.9	15 J	230	107
THALLIUM	MG/KG	NA	2	2	1.2 U	0.88 U	1.2 U	0.724 J	1.13 U	1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	24.9 J	94.7	1160	74.5	43.2	421	59

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-325-02 10/25/1999 0 - 2 ft.	SB-E14-2020-03 10/26/1999 0 - 2 ft.	SB-F11-54-02 10/21/1999 0 - 2 ft.	SB-F12-2026A-05 10/25/1999 0 - 2 ft.	SB-F12-2039-01 6/29/2000 0 - 1.25 ft.	SB-F12-2075-05 10/29/1999 0 - 2 ft.	SB-F12-2075A-03 11/1/1999 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**22.9 N**	**237**	**23.4**	**47.2 N**	3.39	**50.9**	**84.7 N**
COPPER	MG/KG	NA	600	600	17.5	16.6	20.2	20.6	15.4	16.2	43.5
LEAD	MG/KG	NA	400	600	77.5	21.5	59.3	36.5	4.28	369	49.2
THALLIUM	MG/KG	NA	2	2	1 U	1 U	1.3 U	0.73 U	**2.34 J**	1.1 U	1 U
ZINC	MG/KG	NA	1500	1500	128	32.3	26.4	65.1	37.9	185	72.2

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-15D

Exceedance Summary
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2075A-04 11/1/1999 0 - 1 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.	SB-F12-8206-03 10/21/1999 0 - 1 ft.
Metals, Total								
ARSENIC	MG/KG	NA	20	20	**72 N**	**60.3**	**75.5**	7.1
COPPER	MG/KG	NA	600	600	40.4	32.5	202	24.5
LEAD	MG/KG	NA	400	600	30.4	88	109	**614**
THALLIUM	MG/KG	NA	2	2	0.89 U	1 U	1 U	0.86 U
ZINC	MG/KG	NA	1500	1500	44.9	181 J	386 J	192

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-2044C-01 11/5/1999 0 - 2 ft.	SB-B11-2044C-05 11/5/1999 0 - 2 ft.	SB-C10-10-01 11/16/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**480 J**	**59 J**	**146 J**	**207 J**	**26 J**	**64 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3900 U	120 J	380 U	370 U	45 J	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3900 U	380 U	380 U	370 U	40 J	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3900 U	160 J	380 U	370 U	390 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3900 U	380 U	380 U	370 U	390 U	350 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	380 U	380 U	370 U	390 U	31 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	380 U	380 U	370 UJ	390 UJ	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	380 U	380 U	370 UJ	390 UJ	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-12-03 11/16/1999 0 - 1 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-09 11/18/1999 0 - 0.8 ft.	SB-C11-1-17 11/18/1999 0 - 1 ft.	SB-C11-12-02 11/10/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**110 J**	**29 J**	**350 J**	**370 J**	**71 J**	1900 U	460 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	65 J	360 U	350 U	60 J	200 J	**9400 D**	110 J
BENZO(a)PYRENE	UG/KG	100000	660	660	55 J	76 J	350 U	55 J	170 J	**8200 D**	**2100**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	83 J	150 J	350 U	97 J	270 J	**9700 D**	300 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	360 U	350 U	470 U	110 J	**3600 D**	190 J
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	35 J	21 J	31 J	60 J	420 U	1900 U	460 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	360 U	350 U	470 U	420 U	**1200 JD**	550 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	360 U	350 U	470 U	110 J	**4100 D**	250 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-27-02 11/12/1999 0 - 1 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-20 11/11/1999 0 - 1 ft.	SB-C11-7-02 11/12/1999 0 - 1 ft.	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.	SB-D10-10-01 11/16/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**420 J**	**86 J**	**157 J**	**327 J**	420 U	**5820**	**233 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	92 J	120 J	180 J	370 U	640	**3200**	240 J
BENZO(a)PYRENE	UG/KG	100000	660	660	80 J	130 J	170 J	370 U	**670**	**3200**	230 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	150 J	300 J	210 J	370 U	810	**3900**	300 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	72 J	110 J	370 U	260 J	**1200**	160 J
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	63 J	27 J	35 J	52 J	420 U	440 U	37 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	430 U	140 J	370 U	400 J	560	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	120 J	160 J	370 U	530	**1900**	100 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-14-05 11/16/1999 0 - 1 ft.	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2231-03 11/18/1999 0 - 1 ft.	SB-D10-241B-03 11/19/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**136 J**	**20 J**	393 U	370 U	400 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	**1100**	**4800**	**2000**	460	**2600**
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	**1100**	**8760**	**1500**	340 J	**2000**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	**1600**	**16100**	**6500**	560	**3400**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	570	**3090**	**2200**	250 J	**1500**
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	45 J	51 J	144 J	88 J	**57000 #D**	860
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	110 J	**1630**	280 J	400 U	450
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	350 J	**4220**	**1100**	230 J	**1500**

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D9-8279-01 11/19/1999 0 - 1 ft.	SB-D9-9108-04 11/10/1999 0 - 1 ft.	SB-D9-9108-10 11/10/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	490 U	**131 J**	360 U	380 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1100**	**2600**	**4200**	620	62 J	**1400**
BENZO(a)PYRENE	UG/KG	100000	660	660	**930**	**1900**	**3800 J**	420 J	**1100**	**1300**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2100**	**2500**	**7000 J**	**990**	170 J	**1800**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	610	710	**2200 J**	340 J	380 U	370
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	130 J	320 J	90 J	210 J	380 UJ	350 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	180 J	370 J	510 J	73 J	420 J	300 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	550	880 J	**1300 J**	240 J	320 J	870

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16A

Exceedance Summary
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds									
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**126 J**	**600 J**	**100 J**	**282 J**	**360 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	38 J	170 J	500 U	530 U	590 J
BENZO(a)PYRENE	UG/KG	100000	660	660	33 J	280 J	500 U	530 U	580 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	404 U	450	500 U	530 U	**910 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	404 U	210 J	500 U	530 U	3800 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	101 J	41 J	44 J	26 J	3800 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	404 U	390 U	500 U	530 U	3800 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	404 U	150 J	500 U	530 U	3800 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16B

Exceedance Summary
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**270 J**	643468 U	700869 U	210 U	150 U	210 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**1900**	**22600000 D**	**28900000 D**	210 U	**85 J**	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**2200 J**	643468 U	700869 U	**230 J**	150 U	**2600**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**2500 J**	643468 U	700869 U	300 R	**270 J**	210 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16B

Exceedance Summary
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-05 11/18/1999 0 - 1.5 ft.	SB-C11-27-03 11/12/1999 0 - 0.5 ft.	SB-C11-4-02 11/11/1999 0 - 1 ft.	SB-C11-7-02 11/12/1999 0 - 1 ft.	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	143 U	**240 J**	510 R	2500 U	245 U	230 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	**370**	210 U	240 U	**170000 D**	245 U	**180 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**2200**	143 U	**630 J**	**1700 J**	2500 U	**740 J**	**1200 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	**165**	180 R	240 U	**1400 J**	245 U	120 R

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16B

Exceedance Summary
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	TP-C11-2233D-07 8/10/2000 3.5 - 5.5 ft.
Energetics & Explosives						
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	**56.2 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**520**	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	238 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B11-1-08 11/10/1999 0 - 1 ft.	SB-B11-1-11 11/10/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.	SB-B11-2044-06 11/9/1999 0 - 0.7 ft.	SB-B11-6-03 11/9/1999 0 - 1 ft.	SB-C10-12-03 11/16/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.4 U	2 N	2.2 N	1.3 N	0.27 U	0.48 UN	0.57 U	0.59 N
ARSENIC	MG/KG	NA	20	20	6.2	**64.4 N**	**53.8 N**	12.9 N	**20**	10.4	5.1	15
COPPER	MG/KG	NA	600	600	33.1	46 N	17.8 N	12.7 N	19.9	36	24.5	20.5
LEAD	MG/KG	NA	400	600	**1160**	**16900**	**33800**	**7320**	63.8	**489**	**450**	**1110**
THALLIUM	MG/KG	NA	2	2	0.87 U	**3**	1.3	1.2 U	1.1 U	0.97 U	1 U	0.86 U
ZINC	MG/KG	NA	1500	1500	57.5 N	41.8	20.2	48.3	129	340	54.5	35.1

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ft. = Feet below ground surface

Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-13-01 11/19/1999 0 - 1.5 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-5-01 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-04 11/18/1999 0 - 1 ft.	SB-C11-1-17 11/18/1999 0 - 1 ft.	SB-C11-10-01 11/9/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	3.4 N	0.44 UN	0.42 UN	0.45 UN	4 N	0.52 BN	1.6 N	0.97 U
ARSENIC	MG/KG	NA	20	20	**37.1**	4.5	6.4	8.5	10	**51.9**	**38.6**	**69.4**
COPPER	MG/KG	NA	600	600	23.7	19.1	16.9	18.9	20.6	181	26.2	14.8
LEAD	MG/KG	NA	400	600	**810**	**1280**	**491**	**1110**	**3260**	68200 E	10900 E	**2090**
THALLIUM	MG/KG	NA	2	2	0.68 U	0.89 U	0.84 U	0.89 U	1.1 U	1.2 B	0.86 U	0.99 U
ZINC	MG/KG	NA	1500	1500	137 N	64.7	58.8	219	103	141	215	22.7

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ft. = Feet below ground surface

Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-12-02 11/10/1999 0 - 1 ft.	SB-C11-15-05 11/10/1999 0 - 2 ft.	SB-C11-18-01 6/30/2000 0 - 2 ft.	SB-C11-19-05 11/18/1999 0 - 0.5 ft.	SB-C11-2233-01 11/10/1999 0 - 1 ft.	SB-C11-2233-01 7/19/2000 0 - 2 ft.	SB-C11-30-05 11/5/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.4 N	0.56 UN	0.547 UJ	0.7 N	0.87 U	0.621 UJ	0.49 UN
ARSENIC	MG/KG	NA	20	20	**20.2 N**	8.3 N	5.7	**36.9**	5.6 N	6.86	**56.8**
COPPER	MG/KG	NA	600	600	16.9 N	27.3 N	12.5	29.4	20.5 N	17.3	20.7
LEAD	MG/KG	NA	400	600	**2470**	**755**	**419**	2110 E	**660**	**961**	176
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 U	0.912 U	0.99 U	0.96 U	1.03 U	0.98 U
ZINC	MG/KG	NA	1500	1500	32.6	66.7	34.1	194	179	361	37.7

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Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-30-06 11/12/1999 0 - 1 ft.	SB-C11-4-09 11/11/1999 0 - 1.5 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-19 11/11/1999 0 - 2 ft.	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.	SB-D10-1-02 11/12/1999 0 - 1 ft.	SB-D10-164B-01 11/30/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.52 UJ	1.8 N	0.55 N	1.8 N	3.2 N	**27 N**	0.5 UJ	0.47 UN
ARSENIC	MG/KG	NA	20	20	**104**	11.5 J	11.9 J	11.8 J	**61.4**	**115**	4.7	9
COPPER	MG/KG	NA	600	600	38.9	109	17.4	52.1	30.3	88.6	16.7	20.2
LEAD	MG/KG	NA	400	600	159	**662**	**492**	**2070**	**4930**	11800 E	**1620**	**908**
THALLIUM	MG/KG	NA	2	2	**3.4**	1.2 U	1.1 U	1.1 U	1.1 U	0.97 U	1 U	0.93 U
ZINC	MG/KG	NA	1500	1500	443	235	67.8	142	13.8	266	55.4	57.7

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Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-164B-02 11/16/1999 0 - 1 ft.	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2227-02 11/11/1999 0 - 1.5 ft.	SB-D10-2230-03 11/12/1999 0 - 0.5 ft.	SB-D10-2230A-03 11/12/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.21 BN	0.53 UN	0.737 J	0.17 UJ	0.52 UN	1.1 UJ	0.49 UJ
ARSENIC	MG/KG	NA	20	20	14.1	**34.4**	**133**	3.9	**20.2 J**	17.3	**45.6**
COPPER	MG/KG	NA	600	600	21.5	42.2	37.9	73.5	29.7	117	19.3
LEAD	MG/KG	NA	400	600	**4260**	**1350**	71	**681**	314	**1390**	92
THALLIUM	MG/KG	NA	2	2	0.93 U	1.1 U	1.08 U	0.88 U	1 U	0.93 U	0.98 U
ZINC	MG/KG	NA	1500	1500	211	100	40.1	50.3	82.3	191	40.7

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2349-02 11/12/1999 0 - 1.5 ft.	SB-D10-251-02 11/17/1999 0 - 0.75 ft.	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-5-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8234-02 11/16/1999 0 - 1 ft.	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D11-3-02 11/5/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.71 UJ	0.59 UJ	1.6 J	1.9 J	6.2 UJ	0.41 UN	2.1 N	0.2 BN
ARSENIC	MG/KG	NA	20	20	**296**	8.8	**291**	**420**	**24.5**	**22.9**	**370**	5.5
COPPER	MG/KG	NA	600	600	20.3	22.1	52.9	48.9	253	36.1	38.9	37.8
LEAD	MG/KG	NA	400	600	76.6	**589**	**1370**	166	**12900**	**1240**	217	**433**
THALLIUM	MG/KG	NA	2	2	0.92 U	1.2 U	1.1 U	0.83 B	12.4 U	0.82 U	1.1 U	0.74 U
ZINC	MG/KG	NA	1500	1500	30.3	116 J	937	33.6	**4080**	1310	43.4	46.4

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ft. = Feet below ground surface

Table 5-16C

Exceedance Summary
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-4-03 11/10/1999 0 - 1 ft.	SB-E10-2169-03 11/18/1999 0 - 1 ft.	SB-E10-2177-06 11/18/1999 0 - 0.75 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	SB-E10-8277-01 11/12/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.34 U	5.3 UN	0.65 U*	0.48 UJ	0.41 UJ	0.43 UJ	0.37 BN	0.36 UJ
ARSENIC	MG/KG	NA	20	20	4.1 N	**146**	9	**22**	6	6.8	12.4 J	**56.7**
COPPER	MG/KG	NA	600	600	20 N	**1190**	33.9	48.1	14	18.6	72	20.1
LEAD	MG/KG	NA	400	600	**600**	1320 E	**4630**	363	**3040**	**1810**	**670**	**635**
THALLIUM	MG/KG	NA	2	2	0.91 U	10.6 U	1.3 U	0.96 U	0.82 U	0.87 U	0.86 U	0.98 U
ZINC	MG/KG	NA	1500	1500	42.3	545	74.3 *N	186 J	35.1 J	54.9 J	84.4	132

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Table 5-17A

Exceedance Summary
PETN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.
Semi-Volatile Organic Compounds							
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**215 J**	**10700 *D**	**304 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	58 J	530	**1900**
BENZO(a)PYRENE	UG/KG	100000	660	660	73 J	410 J	**1100**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	250 J	**1200**	**2300**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	100 J	410 J	**920**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-17B

Exceedance Summary
PETN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-2176-01 11/19/1999 0 - 1.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.	SB-C10-4-02 11/19/1999 0 - 0.5 ft.
Energetics & Explosives									
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	**3700**	250 U	140 U	**310**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	**4600**	**12000**	**680**	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**510**	**37000 J**	**2300 J**	**440**	**1900 J**

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-17C

Exceedance Summary
PETN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	3.4 N	**21.8 BN**	0.59 UN	0.42 UN	0.42 UN	1.1 U	0.57 UJ	0.29 BN
ARSENIC	MG/KG	NA	20	20	14.6	**274**	11.5 *	6.1 *	3.9 *	**207**	**274**	7.8 *
COPPER	MG/KG	NA	600	600	186	**48500**	390 J	30.4 J	54.5 J	28.5	56	39.7 J
LEAD	MG/KG	NA	400	600	**17200**	270	**1130**	**813**	**782**	377	**603**	**971**
ZINC	MG/KG	NA	1500	1500	1330 N	**27700 N**	482 N	126 N	101 N	101 N	183 J	69.2 N

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ft. = Feet below ground surface

Table 5-18A

Exceedance Summary
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-916-01 3/30/2000 0.5 - 1.0 ft.	SB-L5-1-01 7/14/2000 0.5 - 1.0 ft.	SB-L5-5-03 7/14/2000 0.5 - 1.0 ft.
Volatile Organic Compounds							
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	**1100 B**	**1460 J**	**2340 J**

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+ = Value obtained from a 1:10 dilution
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ft. = Feet below ground surface

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-2-02 6/21/2000 0 - 1.25 ft.	SB-G6-3-02 6/21/2000 0 - 1 ft.	SB-G6-8128-04 3/28/2000 0 - 1 ft.	SB-G6-8129-01 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4480 U	**37 J**	**84 J**	**87 J**	5600 U	**448 J**	**140 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**27500**	554	710	100 J	440 J	200 J	360 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**18800**	392 J	**920**	94 J	**800 J**	260 J	420 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**28300**	615	**1500**	170 J	5600 U	460 J	600
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**9320**	208 J	630	430 UJ	5600 U	200 J	230 J
CHRYSENE	UG/KG	500000	9000	40000	**24600**	463	980	170 J	1100 J	280 J	450 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	**2890 J**	396 U	270 J	430 UJ	5600 U	530 U	100 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**7440**	172 J	750	430 UJ	5600 U	230 J	330 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4480 U	396 U	530 U	430 U	5600 U	530 U	450 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-G8-2293-02 4/4/2000 0 - 0.5 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-8116-01 3/30/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**2297**	**873 J**	470 U	**286 J**	**160 J**	420 U	**120 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	412	**1300**	550	440 U	49.1 J	**1700**	450
BENZO(a)PYRENE	UG/KG	100000	660	660	371 J	**1600**	640	440 U	367 U	**1700**	400 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	628	**3300**	**1000**	440 U	107 J	**2200**	620
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	226 J	**1300**	310 J	440 U	62.7 J	760	220 J
CHRYSENE	UG/KG	500000	9000	40000	603	1600	780	61 J	99.7 J	1700	440
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	114 J	410 J	150 J	440 U	367 U	250 J	100 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	334 J	**1200**	480	440 U	74 J	800	310 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	462	420 U	470 U	440 U	**1300**	420 U	410 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8122-01 3/30/2000 0 - 0.75 ft.	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8245-01 4/6/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	450 U	460 UJ	**81 J**	**289 J**	**9850 J**	**350 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1000**	**1200 J**	450	240 J	4400 U	200 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**980**	**1100 J**	400	340 J	4400 UJ	240 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1300**	**1400 J**	560	860	4400 UJ	390 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	480	590 J	190 J	170 J	4400 UJ	140 J
CHRYSENE	UG/KG	500000	9000	40000	900	920 J	370 J	380 J	4400 U	320 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	210 J	210 J	390 U	130 J	4400 UJ	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	560	750 J	190 J	380 J	4400 UJ	110 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	450 U	460 UJ	390 U	470 U	4400 U	410 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8246-01 4/6/2000 0 - 1 ft.	SB-H6-8250-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**5980 D**	**78 J**	**10020 J**	**158.7 J**	3570 U	**110 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	740 JD	110 J	300 J	189 J	3570 UJ	200 J
BENZO(a)PYRENE	UG/KG	100000	660	660	650 JD	110 J	330 J	184 J	3570 UJ	170 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**900 JD**	140 J	500	263 J	3570 UJ	290 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	2200 U	440 U	160 J	107 J	3570 UJ	410 U
CHRYSENE	UG/KG	500000	9000	40000	790 JD	140 J	370 J	290 J	3570 U	360 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	2200 U	440 U	460 U	364 U	3570 UJ	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	2200 U	440 U	210 J	171 J	3570 UJ	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	2200 U	440 U	460 U	209 J	**2840 J**	410 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8131-04 3/30/2000 0 - 1 ft.	SB-H7-8143-03 6/21/2000 0 - 1.25 ft.	SB-H7-8252-01 3/31/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**47 J**	6000 U	**47 J**	4397 U	**44 J**	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	880	**7000**	34 J	**1930 J**	83 J	**910**
BENZO(a)PYRENE	UG/KG	100000	660	660	**1700**	**5600 J**	34 J	**1620 J**	87 J	**930**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4800**	**11000**	350 UJ	**1970 J**	140 J	**1400**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1400**	**4100 J**	350 UJ	4397 U	110 J	470
CHRYSENE	UG/KG	500000	9000	40000	1400	5700 J	45 J	1910 J	140 J	960
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420	**1400 J**	350 UJ	4397 U	410 UJ	170 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1200**	**3800 J**	350 UJ	4397 U	77 J	570
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	6000 U	350 U	4397 U	410 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-9-04 3/28/2000 0 - 1 ft.	SB-H7-916-01 3/30/2000 0 - 1.5 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-5-02 3/30/2000 0 - 1 ft.	SB-I6-8171-01 4/7/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**157 J**	390 U	**190 J**	**26910 *D**	**1143 J**	**4600**	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	98 J	780	190 J	400 U	360 J	320 J	790
BENZO(a)PYRENE	UG/KG	100000	660	660	91 J	600	180 J	400 U	350 J	280 J	**700**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	150 J	**1000**	580	400 U	690	480	**1100**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	400	240 J	400 U	180 J	130 J	330 J
CHRYSENE	UG/KG	500000	9000	40000	160 J	630	370 J	400 U	410	360 J	710
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	100 J	380 U	400 U	390 U	430 U	95 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	270 J	160 J	400 U	210 J	150 J	320 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	390 U	380 U	400 U	390 U	430 U	430 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8173-01 4/6/2000 0 - 0.5 ft.	SB-I6-8192-01 3/30/2000 0 - 2 ft.	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I6-9215-01 3/31/2000 0 - 2 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4200 U	4000 U	420 U	**2880 J**	2100 U	**181 J**	**290 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**46000**	**6100**	**1800**	320 J	**38000**	**1200**	860 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**39000**	**4100**	**1400**	300 J	**25000 D**	**1200**	**820 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**51000**	**5600**	**1800**	520	**43000**	**1500**	**1500 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**18000**	**2200 J**	630	170 J	**14000 D**	690	370 UJ
CHRYSENE	UG/KG	500000	9000	40000	**40000**	3900 J	1400	340 J	**28000 D**	1000	1800 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	**5300**	4000 U	200 J	410 U	**3600 D**	260 UJ	540 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**17000**	**1800 J**	600	150 J	**10000 D**	690	400 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4200 U	4000 U	420 U	410 U	2100 U	430 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-2245-05 4/13/2000 0 - 2 ft.	SB-J6-3-02 4/13/2000 0 - 1.25 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-04 4/13/2000 0 - 2 ft.	SB-J6-8133-05 4/13/2000 0 - 1.5 ft.	SB-J6-8134-01 4/13/2000 0 - 2 ft.	SB-J6-8134-05 4/13/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**150 J**	420 U	**96 J**	**57 J**	**500 J**	**767 J**	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	400 J	310 J	480	51 J	280 J	**1600**
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	480	270 J	480	69 J	170 J	**1300**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	**960**	270 J	600	83 J	240 J	**1700**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	300 J	250 J	330 J	380 U	430 U	670
CHRYSENE	UG/KG	500000	9000	40000	390 U	540	320 J	570	150 J	220 J	1500
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	120 J	380 U	390 U	380 U	430 U	210 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	310 J	120 J	200 J	380 U	430 U	650
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	420 U	380 U	390 U	380 U	430 U	420 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8136-04 4/11/2000 0 - 2 ft.	SB-J6-941A-01 4/11/2000 0 - 2 ft.	SB-J6-942A-04 4/13/2000 0 - 2 ft.	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K6-1-02 9/27/2000 0 - 1.25 ft.	SB-K7-8651-02 4/14/2000 0 - 2 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**16 J**	420 U	410 U	**4200 J**	398 U	**36 J**	**318.45 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	51 J	**1700**	**2000**	5600 U	**1180**	510	264 J
BENZO(a)PYRENE	UG/KG	100000	660	660	50 J	**1400**	**1800**	5600 U	**868**	430	226 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	100 J	**1900**	**2200**	5600 U	**1130**	850	344 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	**950**	790	5600 U	399	300 J	99.06 J
CHRYSENE	UG/KG	500000	9000	40000	83 J	1500	2100	5600 U	985	580	256 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	220 J	390 J	5600 U	398 U	410 U	372 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	670	**960**	5600 U	456	210 J	127 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	420 U	410 U	5600 U	398 U	410 U	372 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-10-04 4/6/2000 0 - 1.5 ft.	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-10-06 4/6/2000 0 - 2 ft.	SB-L5-2313-12 4/7/2000 0 - 2 ft.	SB-L5-2313-17 4/7/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-5-01 4/28/2000 0 - 2 ft.	SB-L5-5-03 7/14/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**160 J**	**710 J**	**712 J**	**510 J**	**320 J**	**1510**	**490**	**150 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	3900 U	480 U	86 J	460 J	53 J	390 U	364 U
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	3900 U	480 U	68 J	290 J	55 J	390 U	364 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	3900 U	480 U	95 J	470 J	130 J	390 U	364 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	3900 U	480 U	550 U	120 J	390 U	390 U	364 U
CHRYSENE	UG/KG	500000	9000	40000	390 U	3900 U	480 U	85 J	400 J	97 J	390 U	364 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	3900 U	480 U	550 U	520 U	390 U	390 U	364 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	3900 U	480 U	550 U	150 J	390 U	390 U	364 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	3900 U	480 U	550 U	520 U	390 U	390 U	364 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-6-02 4/11/2000 0 - 1 ft.	SB-L5-6-05 4/11/2000 0 - 2 ft.	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**5200**	**2750**	**360 J**	**93 J**	3900 U	**76 J**	377 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	110 J	160 J	78 J	58 J	**2000 JD**	240 J	**931**
BENZO(a)PYRENE	UG/KG	100000	660	660	100 J	140 J	71 J	430 U	**2100 JD**	150 J	**688**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	160 J	190 J	94 J	430 U	**4300 D**	540 J	**1070**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 UJ	110 J	390 U	430 U	**1400 JD**	170 J	403
CHRYSENE	UG/KG	500000	9000	40000	130 J	210 J	78 J	42 J	2800 JD	370 J	755
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 UJ	380 U	390 U	430 U	3900 U	410 UJ	377 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 UJ	380 U	390 U	430 U	**1000 J**	140 J	445
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	380 U	390 U	430 U	3900 U	410 UJ	377 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-371-02 7/7/2000 0 - 2 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-M5-8166E-02 7/7/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	**420 J**	**30000 J**	**340 J**	**10900 J**	**3200 J**	**2500 J**	**1324.6 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**4970**	100 J	4000 U	560 U	360 J	4100 U	4800 U	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**4640**	99 J	4000 UJ	37 J	260 J	4100 U	4800 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**5910**	170 J	4000 UJ	560 U	4800 U	4100 U	4800 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1700**	480 UJ	4000 UJ	560 U	4800 U	4100 U	4800 U	350 U
CHRYSENE	UG/KG	500000	9000	40000	4270	120 J	4000 U	63 J	600 J	4100 U	4800 U	350 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	480 UJ	4000 UJ	560 U	4800 U	4100 U	4800 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**2910**	480 UJ	4000 UJ	560 U	4800 U	4100 U	4800 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	480 U	4000 U	560 U	4800 U	4100 U	4800 U	350 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18B

Exceedance Summary
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.	TP-G7-2347-03 8/17/2000 0 - 2 ft.	TP-H5-8181-01 8/17/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**1278 J**	**135 J**	**176 J**	4010 U	**208 J**	3790 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	355 UJ	359 U	**2500**	**986 J**	419 U	**1010 J**
BENZO(a)PYRENE	UG/KG	100000	660	660	355 UJ	359 U	**1800**	**749 J**	419 U	**1130 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	344 J	359 U	**3900**	**1510 J**	419 U	**1820 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	86.2 J	359 U	**1600**	897 J	419 U	3790 U
CHRYSENE	UG/KG	500000	9000	40000	355 UJ	359 U	2900	1090 J	419 U	1260 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	355 UJ	359 U	280 J	4010 U	419 U	3790 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	355 UJ	359 U	770	4010 U	419 U	3790 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	355 UJ	359 U	480 U	4010 U	30.2 J	3790 U

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N = Flashpoint not observed, heated to specific limit
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18C

Exceedance Summary
Development Area - Energetic Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.	SB-H7-2172-03 4/4/2000 0 - 1.5 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 UJ	208 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 R	1400 R	208 U	240 U	250 U	250 U	2200 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**490 J**	**7800 J**	**231**	**300**	250 U	**920**	140 R
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 UJ	208 U	240 U	250 U	250 U	250 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	300 R	1800 R	417 U	480 U	500 U	500 U	**10000 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	33000	29000	17300	5800 U	**83000**	2400	**150000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	300 R	500 UJ	417 U	480 U	500 U	500 U	110000 ^D

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18C

Exceedance Summary
Development Area - Energetic Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8143-04 3/30/2000 0 - 2 ft.	SB-H7-8144-05 3/30/2000 0 - 1.5 ft.	SB-H7-8145-03 3/30/2000 0 - 1.5 ft.	SB-H8-9221-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.	SB-I6-8132-05 4/13/2000 0 - 0.5 ft.	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	240 U	250 U	270 R	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	240 U	250 U	220 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	**480**	**140 J**	**210 J**	**420 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	240 U	250 U	250 U	250 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	**9300**	2800 J	480 U	500 U	500 U	500 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**50000**	5500	**52000**	5900 U	6000 U	**220000**	6500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	7100	**8500000 !D**	480 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18C

Exceedance Summary
Development Area - Energetic Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-9210-02 6/21/2000 0 - 2 ft.	SB-I6-E3-04 6/21/2000 0 - 1 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-8133-05 4/11/2000 0 - 2 ft.	SB-K6-9217-05 4/11/2000 0 - 2 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-6-03 4/11/2000 0 - 2 ft.
Energetics & Explosives												
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 UJ	250 U	250 U	240 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 UJ	250 U	250 U	240 U	240 U	**212 J**	**3300**	**2700**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**11700 J**	**129 J**	**270**	**580 J**	**290**	**766**	**2700 J**	**2300 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 UJ	250 U	250 U	240 U	240 U	250 U	**1300 J**	**300**
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 UJ	500 U	500 U	580 U	480 U	500 U	720 R	1400 J
NITROGLYCERIN	UG/KG	NA	46000	200000	39400	6210 U	5600 U	6100 U	11000	4360 J	5900 U	5300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 UJ	500 U	500 U	580 U	480 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18C

Exceedance Summary
Development Area - Energetic Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-M5-3-01 4/6/2000 0 - 2 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	240 U	250 U	250 U	**210 J**	**270 J**	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	240 U	**1300**	250 U	250 R	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**260 J**	**6800 J**	**130000 J**	250 U	**1500**	**2300 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	240 U	250 U	250 U	250 U	250 U	250 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	480 U	4800 R	500 U	1100 R	550 R	**323000**
NITROGLYCERIN	UG/KG	NA	46000	200000	6300 U	**64000**	**140000**	**73000**	6100 U	**46000**	18300
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	480 U	500 U	500 U	500 U	500 U	47200

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-18D

Exceedance Summary
Development Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8520-01 3/30/2000 0 - 1 ft.	SB-H6-8520-02 3/30/2000 0 - 1 ft.
Polychlorinated Biphenyls						
TOTAL PCBS	UG/KG	50000	490	2000	**1100**	**9800**

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NS = No Standard
ft. = Feet below ground surface

Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8128-04 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8242-04 4/4/2000 0 - 1.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G7-8139-05 3/28/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.4 J	4.3 J	9.1 J	0.7 UJ	1.5 UN	0.653 J	0.76 UJ
ARSENIC	MG/KG	NA	20	20	**70 J**	13.1 J	17.8 J	4.5	**22.4 N**	**34.7 J**	**72.4 J**
CADMIUM	MG/KG	NA	39	100	5.9	7.6	10.1	0.44	20.8	20.2	0.39
COPPER	MG/KG	NA	600	600	86 N	211 N	43.2 N	15.8	41.4 N	88.3	**969 N**
LEAD	MG/KG	NA	400	600	**1010**	**1050**	**928**	76.1	**4710**	**4360**	**510**
MERCURY	MG/KG	NA	14	270	9.9	**32.1**	**42.7**	**36.9**	5.6 J	7.78 J	11.6
NICKEL	MG/KG	NA	250	2400	20.1	15.7	15.9	6.7 N	16	35	19.6
THALLIUM	MG/KG	NA	2	2	1.6	1.6 U	3 U	1.2 U	2.5 U	2.26 UJ	**2**
ZINC	MG/KG	NA	1500	1500	493	**2150**	**3320**	219	**5120 N**	**3200**	527

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-8120-04 3/30/2000 0 - 1.5 ft.	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8123B-04 4/4/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	4.4 J	0.76 J	**59.4**	0.74 UJ	0.71 UN	0.75 UN	0.75 UJ
ARSENIC	MG/KG	NA	20	20	**31.7 J**	**24.1 N**	**26.8 J**	**27.7 N**	8.9 N	5.9 N	6.2
CADMIUM	MG/KG	NA	39	100	0.36 U	0.68	0.449	1.7	1	0.38 U	0.85
COPPER	MG/KG	NA	600	600	108 N	478 J	186	**799 J**	175 N	**2260 N**	270
LEAD	MG/KG	NA	400	600	**996**	235 J	**4980**	147 J	248	**541**	349
MERCURY	MG/KG	NA	14	270	11.7	12.4	**137 J**	**45.7**	**138 J**	**52 J**	**31.5**
NICKEL	MG/KG	NA	250	2400	14.2	12.9	18.6	19.1	14.6	25.9	14.1 N
THALLIUM	MG/KG	NA	2	2	**2.2**	1.3 U	1.06 UJ	1.2 U	1.2 U	1.3 U	1.2 U
ZINC	MG/KG	NA	1500	1500	186	151 N	295	746 N	966 N	207 N	277

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ft. = Feet below ground surface

Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8152-04 3/30/2000 0 - 1 ft.	SB-H6-8152-07 3/30/2000 0 - 1.5 ft.	SB-H6-8245-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.53 UN	3.8 N	0.6 U	0.5 U	0.96 J	0.83 UJ	0.642 U
ARSENIC	MG/KG	NA	20	20	4.9 N	10.1 N	8.3	9.3	9	8.3	**36.2 J**
CADMIUM	MG/KG	NA	39	100	0.27 U	1.9	0.36 U	0.35 U	0.4 J	3.2	0.597
COPPER	MG/KG	NA	600	600	345 N	236 N	86.9	75.8	21.6	49.4 J	57.3
LEAD	MG/KG	NA	400	600	30.5	**797**	**432 J**	**444 J**	**405 J**	**915**	165
MERCURY	MG/KG	NA	14	270	**44.7 J**	**57.6 J**	**44.6**	2.2	0.22	0.44	**2940 J**
NICKEL	MG/KG	NA	250	2400	9.6	17.1	12.8 J	11.8 J	12.5	12.9	14.3
THALLIUM	MG/KG	NA	2	2	0.89 U	1.4 U	1.2 U	1.2 U	1.2 U	1.4	1.07 UJ
ZINC	MG/KG	NA	1500	1500	258 N	1020 N	457	163	146	843 J	243

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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8285-07 7/13/2000 0 - 1 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.	SB-H7-15-02 3/30/2000 0 - 1.5 ft.	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-03 4/4/2000 0 - 2 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.691 U	0.624 U	**55 J**	0.82 UJ	0.7 UJ	0.75 UJ	2.9 J
ARSENIC	MG/KG	NA	20	20	**31.2 J**	6.26 J	**51.5 J**	**20.3 J**	**20 J**	6.3	6.2
CADMIUM	MG/KG	NA	39	100	0.7	0.378	3.6 U	0.41 UJ	0.35 U	1.6	6.6
COPPER	MG/KG	NA	600	600	496	56	404 N	21.9	22.8 N	33.4	595
LEAD	MG/KG	NA	400	600	**608**	108	**17900**	104 J	29.6	**500**	**44000**
MERCURY	MG/KG	NA	14	270	7.82 J	**103 J**	3.8	0.52	0.23	0.77	**324**
NICKEL	MG/KG	NA	250	2400	16.3	8.35	34.5	7.3	9	7.2 N	33.6 J
THALLIUM	MG/KG	NA	2	2	1.15 UJ	1.04 UJ	12 U	1.4 U	1.1 B	1.3 U	1.8 U
ZINC	MG/KG	NA	1500	1500	261	150	587	55.3	68.3	284	681

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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8131-06 3/30/2000 0 - 2 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-8102-02 4/6/2000 0 - 2 ft.	SB-I5-2-01 7/19/2000 0 - 2 ft.	SB-I5-3-06 4/14/2000 0 - 0.75 ft.	SB-I5-4-03 4/6/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.76 UJ	0.7 UN	0.7 UJ	0.41 J	0.39 J	**31.2 J**	**5060 J**	0.59 J
ARSENIC	MG/KG	NA	20	20	3.9 J	4.7 N	5.5 J	**106 J**	**25.6**	**39.1**	**1060**	**22.7**
CADMIUM	MG/KG	NA	39	100	0.38 UJ	0.3 B	2.4	0.33 U	0.15 J	1.38 J	1.1	0.34 B
COPPER	MG/KG	NA	600	600	**1720**	47.7 N	23.7 J	15.6 N	17.2	**6650**	**1540**	34.7 J
LEAD	MG/KG	NA	400	600	157 J	248	**2160 J**	58.4	24.6 J	**15200**	**144000 J**	64.8
MERCURY	MG/KG	NA	14	270	0.11	**82.7 J**	**55.5**	0.04	0.05	0.531	7.8	0.11 U
NICKEL	MG/KG	NA	250	2400	7.6	29.9	11.8 J	5.6	9.9	15.7	9.3	13.1
THALLIUM	MG/KG	NA	2	2	1.3 U	1.2 U	1.2 UN	0.85 B	1.2 U	11.4 U	**2.4 N**	1.1 B
ZINC	MG/KG	NA	1500	1500	64.2	229 N	1150 J	166	108	**2250**	655	328 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-5-02 4/6/2000 0 - 2 ft.	SB-I5-8-02 6/21/2000 0 - 2 ft.	SB-I5-8141-03 6/21/2000 0 - 1.25 ft.	SB-I5-8170-02 4/13/2000 0 - 1 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-11-01 4/13/2000 0 - 0.5 ft.	SB-I6-8125-03 4/13/2000 0 - 1.5 ft.	SB-I6-8125-05 4/13/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	3.3 J	2.75	0.595 U	1.6 J	0.81 N	6.8 UJ	0.65 UJ	0.69 UJ
ARSENIC	MG/KG	NA	20	20	9.3	5.5	**82.3**	9.4 J	**198 N**	12.9 J	5.1 J	**45.8 J**
CADMIUM	MG/KG	NA	39	100	0.31 U	0.511	0.235 J	0.8	0.1 B	23.1	0.79	0.52
COPPER	MG/KG	NA	600	600	23.2 J	**809**	26	356 J	15.6 N	**857 J**	32.9 J	28 J
LEAD	MG/KG	NA	400	600	**734**	**565**	68.1	**736 J**	28.6	**3820 J**	167 J	**739 J**
MERCURY	MG/KG	NA	14	270	0.06 U	0.04 J	0.138 J	0.08	0.18 J	**281**	**307**	4.6
NICKEL	MG/KG	NA	250	2400	8	6.74	12.3	9 J	7.9	56.4 J	7.1 J	3.7 J
THALLIUM	MG/KG	NA	2	2	1.6	0.935 U	0.839 J	0.95 UN	1.1 U	11.4 UN	1.1 UN	1.1 UN
ZINC	MG/KG	NA	1500	1500	76.7 J	214	161	288 J	55.6 N	**16200 J**	93 J	98.3 J

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8132-02 4/13/2000 0 - 1 ft.	SB-I6-8132-03 4/13/2000 0 - 2 ft.	SB-I6-8171-01 4/7/2000 0 - 2 ft.	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171-07 4/7/2000 0 - 1.5 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8172-06 4/4/2000 0 - 2 ft.	SB-I6-8183-01 4/6/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.68 UJ	0.94 UJ	1.5 UJ	0.76 UJ	0.67 UJ	0.62 UJ	0.7 UJ	0.71 UJ
ARSENIC	MG/KG	NA	20	20	**105 J**	**32.5 J**	**83.7 J**	**24.3 J**	**52.9 J**	**26.4 J**	**123**	3.4
CADMIUM	MG/KG	NA	39	100	0.76	1.8	0.36 B	0.46	0.45	1.4	0.05 B	0.16 B
COPPER	MG/KG	NA	600	600	37.3 J	270 J	23.5	79.9	20.3	13.6 J	18.7	24.4 J
LEAD	MG/KG	NA	400	600	350 J	**2720 J**	26.5 J	45.2 J	39.1 J	35 J	26.9	140
MERCURY	MG/KG	NA	14	270	0.36	2.8	0.65 J	0.43 *	0.32 J	0.09	0.06	**35.9**
NICKEL	MG/KG	NA	250	2400	9.2 J	13.7 J	7.2	7.5	20.2	13.1 J	7.1 N	9.2
THALLIUM	MG/KG	NA	2	2	1.1 UN	1.6 UN	2.4 U	1.1 B	1.6	1 UN	0.98 B	0.92 B
ZINC	MG/KG	NA	1500	1500	121 J	488 J	380 J	550 J	123 J	221 J	116	147 J

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.	SB-I6-8192-03 3/30/2000 0 - 2 ft.	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I7-8-03 3/30/2000 0 - 2 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-2-03 4/13/2000 0 - 2 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-04 4/13/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.64 J	0.68 UN	0.71 UJ	0.48 UJ	0.63 UN	0.64 UJ	0.67 UJ	0.62 UJ
ARSENIC	MG/KG	NA	20	20	3.9	**29.9 N**	**20.7**	**26.8 J**	2.2 N	**21 J**	5.2 J	**32.9 J**
CADMIUM	MG/KG	NA	39	100	1	1.6	0.35 UJ	0.54 J	0.31 U	1.2	0.96	1.4
COPPER	MG/KG	NA	600	600	23.5 J	56.8 N	19.1	30.5	398 N	36.2 J	65.6 J	45.5 J
LEAD	MG/KG	NA	400	600	**1860**	**717**	29.2 J	136 J	**7680**	129 J	**480**	388 J
MERCURY	MG/KG	NA	14	270	2.6	0.78 J	0.21	0.17 *N	**40.2**	0.23	0.26	1
NICKEL	MG/KG	NA	250	2400	10.7	10.9	13.3	6.8	7	11.8 J	9.2	9.4 J
THALLIUM	MG/KG	NA	2	2	1.3 U	1.1 U	1.2 U	1.2 U	1 U	1.1 UN	1.1	1 UN
ZINC	MG/KG	NA	1500	1500	118 J	310 N	88.2	321	39.8	458 J	581	364 J

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8136-04 4/11/2000 0 - 2 ft.	SB-J6-8136-07 4/11/2000 0 - 2 ft.	SB-J6-8167-02 4/11/2000 0 - 1.5 ft.	SB-J6-9-01 4/11/2000 0 - 2 ft.	SB-J6-915-01 4/11/2000 0 - 1 ft.	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K6-9214-03 4/11/2000 0 - 1 ft.	SB-L4-4-02 4/14/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.73 UN	0.7 UN	1.1 N	0.42 BN	0.37 BN	1.5 J	1 N	0.88 J
ARSENIC	MG/KG	NA	20	20	14 N	16.2 N	**96 N**	3.5 N	**55.2 N**	13 *	**114 N**	10.2
CADMIUM	MG/KG	NA	39	100	0.37	0.35 U	0.28 B	0.31 U	0.3 U	1.1	4.1	1.2
COPPER	MG/KG	NA	600	600	99.1 N	83.7 N	69.4 N	**727 N**	10.4 N	143 J	87 N	**725**
LEAD	MG/KG	NA	400	600	**467**	218	**414**	**1710**	21.6	**880 J**	**5220**	**1460 J**
MERCURY	MG/KG	NA	14	270	4.2	4	0.4	**36.9**	0.08	0.43 N	0.47	0.33
NICKEL	MG/KG	NA	250	2400	9.9	13.3	12.3	5.3	4.1	10.1 *	14.1	18.6
THALLIUM	MG/KG	NA	2	2	1.2 U	**2.1**	1.3	0.83 B	0.61 B	1.4 U	1.6	1.3 UN
ZINC	MG/KG	NA	1500	1500	129	116	250	92.6	70.1	205 J	498	404

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-2275-01 4/6/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-539-03 4/14/2000 0 - 1.5 ft.	SB-L5-6-02 4/11/2000 0 - 1 ft.	SB-L5-6-05 4/11/2000 0 - 2 ft.	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-7-01 4/14/2000 0 - 1.5 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.664 U	**1750 J**	**31.9 J**	1.4 UJ	0.75 UJ	0.67 UN	0.57 UN	0.69 UN	0.7 UJ
ARSENIC	MG/KG	NA	20	20	6.97	**457**	**24.6**	3.8	5.2	2.5 N	2.2 N	2.5 N	3.2
CADMIUM	MG/KG	NA	39	100	0.249 J	30.1 U	0.54	0.69 U	0.67	0.26 B	0.16 UJ	0.19 UJ	0.48
COPPER	MG/KG	NA	600	600	259	259 J	216 J	**4090 J**	80.4	**983 N**	**1000 N**	527 N	274
LEAD	MG/KG	NA	400	600	**809**	**56600**	**78700**	**1590**	**698 J**	**2260**	**2630**	**1490**	**518 J**
MERCURY	MG/KG	NA	14	270	0.87	0.08 U	0.2	3.5	10.6	3.5	6.2	3.1	0.59
NICKEL	MG/KG	NA	250	2400	10.5	25.3 B	18.9	4.6	10.8	5.5	3.9	5	9.1
THALLIUM	MG/KG	NA	2	2	1.11 U	100 U	**4**	2.3 U	1.3 UJ	1.1 U	0.94 U	1.2 U	1.2 UN
ZINC	MG/KG	NA	1500	1500	162	**1760 J**	668 J	165 J	138	173	42	70.3	120

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-8-05 4/18/2000 0 - 2 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-1-07 4/7/2000 0 - 2 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M4-1-13 4/6/2000 0 - 2 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.73 UJ	0.71 UN	0.7 UJ	0.49 J	6.5 J	0.556 UJ	4 UN	3.8 J	3.2 J
ARSENIC	MG/KG	NA	20	20	4.7	5.2 N	5.7	**57.3 J**	**35.9 J**	3.9	5 N	18.6	**103**
CADMIUM	MG/KG	NA	39	100	0.56	0.44	0.65	0.36 U	3.3 U	1.16	2 U	1.9 J	1.4 J
COPPER	MG/KG	NA	600	600	427	211 N	65.2	34.5	82.2	94.6	**9480 N**	232	**7050**
LEAD	MG/KG	NA	400	600	**1710**	**625**	**808 J**	156 J	54.9 J	**450 J**	**2850**	**829 J**	**742 J**
MERCURY	MG/KG	NA	14	270	8.8 N	1.1	0.14	0.26 J	**20.4 J**	1.49	6.6	0.35	0.53
NICKEL	MG/KG	NA	250	2400	8.5	9.8	10.2	8.1	42.2	8.94	6.2	15.7	10.4
THALLIUM	MG/KG	NA	2	2	1.2 UN	1.2 U	1.2 UN	1.2 U	**9.3 B**	0.926 U	6.6 U	2.4 U	5.7 U
ZINC	MG/KG	NA	1500	1500	101	147	169	97.4 J	48.9 J	400	70.9	**3530**	863

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Table 5-18E

Exceedance Summary
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	1.3 J	**14.5 J**	9.4 J	4.2 J	13.8 J	0.321 J	1.15 J	0.86 J	0.007 J
ARSENIC	MG/KG	NA	20	20	6.9	**108**	**25.8**	**22.3**	**74**	3.61	4.13	**25.1**	**173**
CADMIUM	MG/KG	NA	39	100	1.6 J	7.6 J	4.6 J	3.1 J	9 J	0.631	**140**	0.58 J	0.003 U
COPPER	MG/KG	NA	600	600	94.1	**9670**	**1370**	**1100**	**2420**	**4740**	**2210**	84	39
LEAD	MG/KG	NA	400	600	285 J	**8410 J**	**6090 J**	**3030 J**	**4180 J**	109 J	30.7 J	191 J	117 J
MERCURY	MG/KG	NA	14	270	2 J	1.1	2.1	4.2 J	2.5 J	0.032	0.214	0.32	1.9
NICKEL	MG/KG	NA	250	2400	11.8	98.8	42.2	**323**	71.6	10.1	10.1	7.6	14
THALLIUM	MG/KG	NA	2	2	1.1 U	16.1 U	6.7 U	2.4 U	6.7 U	0.962 U	0.917 U	1.3 U	0.012
ZINC	MG/KG	NA	1500	1500	**1920**	**22100**	**5740**	**3020**	**9100**	510	309	101	52.6

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D = Indicates compound was found in analysis as a secondary dilution factor
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ft. = Feet below ground surface

Table 5-19A

Exceedance Summary
Diazo Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9328-05 6/2/2000 0 - 1.5 ft.	SB-H8-9328-06 6/2/2000 0 - 1.5 ft.
Metals, Total						
ARSENIC	MG/KG	NA	20	20	10.4	**22.4**
LEAD	MG/KG	NA	400	600	**450**	**3520**
THALLIUM	MG/KG	NA	2	2	**2.29**	1.46

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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-20A

Exceedance Summary
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-8227-06 12/15/1999 0 - 10 ft.	SB-G11-1-01 7/14/2000 0.5 - 1.0 ft.	SB-G9-8207-05 12/2/1999 0 - 0.5 ft.	SB-H10-9103-04 12/1/1999 0 - 0.5 ft.
Volatile Organic Compounds								
CHLOROBENZENE	UG/KG	1000	37000	680000	**4500**	563 U	540 UJ	544 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	940 U	**1850 J**	2500 U	**2861 B**
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	580 U	563 U	**2100 J**	544 U

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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
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ft. = Feet below ground surface

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-44-04 4/18/2000 0 - 1.5 ft.	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-43-03 12/10/1999 0 - 0.5 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.	SB-F11-8227-06 12/15/1999 0 - 10 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	440 U	370 U	4500 U	430 U	**330000**
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	440 U	**30 J**	4500 U	**1420**	2600 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1500**	**1900 J**	230 J	**10000 D**	500	2600 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**1500**	**1800 J**	190 J	**8800 D**	430 J	2600 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1800**	**3500 J**	410	**12000 D**	**900**	2600 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	570	**1300 J**	150 J	**4200 JD**	240 J	2600 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	440 UJ	370 U	4500 U	430 U	2600 U
CHRYSENE	UG/KG	500000	9000	40000	1400	2700 J	370	**11000 D**	700	2600 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	250 J	270 J	370 U	4500 UJ	430 U	2600 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	780 J	750 J	93 J	**3900 J**	230 J	2600 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-4-05 12/14/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.	SB-G10-8106-01 12/1/1999 0 - 1 ft.	SB-G10-8106-02 12/1/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	356 U	400 U	390 U	400 U	390 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**310 J**	356 U	400 U	**28 J**	**60 J**	**58 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	240 J	**1420**	600	570	470	**1700**
BENZO(a)PYRENE	UG/KG	100000	660	660	250 J	**882**	510	500	480	**1700 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	490	**1720**	**930**	780	760 J	**3700 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	140 J	552	350 J	240 J	440 J	**1200 J**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	356 U	400 U	790	400 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	310 J	1400	650	810	570	1700
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	356 U	120 J	220 J	130 J	380 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	160 J	624	300 J	230 J	340 J	800 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8106A-04 11/30/1999 0 - 1 ft.	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	390 U	400 U	370 U	4100 U	360 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	**54 J**	**96 J**	**385 J**	4100 U	**52 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	590	310 J	370 J	98 J	660 J	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	290 J	240 J	320 J	91 J	**710 J**	130 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**920**	360 J	510	180 J	**1000 J**	290 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	340 J	140 J	280 J	370 U	4100 U	91 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	390 U	400 U	370 UJ	4100 UJ	360 UJ
CHRYSENE	UG/KG	500000	9000	40000	870	350 J	370 J	200 J	840 J	290 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	81 J	400 U	370 U	4100 U	360 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	310 J	160 J	210 J	370 U	4100 U	360 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8114-03 12/15/1999 0 - 2 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.	SB-G10-9515-02 11/23/1999 0 - 1 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	330 U	440 U	390 U	410 U	390 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	330 U	440 U	390 U	**4850**	**179 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	52 J	**1100**	**3200 J**	**2000**	700	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	**1300**	**2900 J**	**1600**	450 J	110 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	**1700**	**4000 J**	**2700**	**1300 J**	170 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	610	**1900 J**	**990**	450 J	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	**190000 ^D**	330 U	440 UJ	390 UJ	410 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	61 J	1500	3100 J	1800	770	180 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	**690**	520 J	230 J	89 J	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	810	**1700 J**	660	220 J	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-66-03 12/9/1999 0 - 1.5 ft.	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	420 U	410 U	390 U	400 U	390 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**2400 J**	**250 J**	410 U	**101 J**	**95 J**	**270 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 J	460 J	580	150 J	400 U	570
BENZO(a)PYRENE	UG/KG	100000	660	660	260 J	360 J	430 J	140 J	400 U	340 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	650	690 J	**1100 J**	230 J	400 U	780
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	240 J	310 J	420 J	120 J	400 U	310 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	420 UJ	410 UJ	390 U	400 U	390 UJ
CHRYSENE	UG/KG	500000	9000	40000	540	700 J	920	180 J	46 J	720
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	110 J	110 J	390 UJ	400 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	200 J	290 J	280 J	95 J	400 U	200 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	4200 U	390 U	400 U	380 U	398 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**450 J**	**4500 J**	**1690**	**174 J**	**60 J**	398 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1700**	**2500 J**	380 J	160 J	130 J	**1000**
BENZO(a)PYRENE	UG/KG	100000	660	660	**1500**	**2000 J**	290 J	130 J	130 J	**939**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4000**	**4200 J**	760 J	240 J	200 J	**1300**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**930**	**2200 J**	280 J	170 J	60 J	680
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	4200 U	390 U	400 U	380 U	398 U
CHRYSENE	UG/KG	500000	9000	40000	2000	3000 J	630	260 J	160 J	1310
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	270 J	4200 U	51 J	400 U	380 U	155 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	660 J	**1100 J**	170 J	400 U	380 U	563

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.	SB-G9-8182-05 11/22/1999 0 - 1 ft.	SB-G9-8187-01 12/9/1999 0 - 1 ft.	SB-G9-8207-04 12/2/1999 0 - 2 ft.	SB-G9-8267-04 11/23/1999 0 - 2 ft.	SB-G9-9321-02 12/9/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	370 U	400 U	420 U	380 U	400 U	420 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**109 J**	**63 J**	**69 J**	**88 J**	**40 J**	**328 J**	**124 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	110 J	32 J	81 J	210 J	540	210 J	110 J
BENZO(a)PYRENE	UG/KG	100000	660	660	86 J	370 U	83 J	230 J	340 J	200 J	77 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	190 J	72 J	120 J	440	620	270 J	240 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 UJ	370 U	40 J	170 J	180 J	100 J	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	370 U	400 UJ	420 U	380 UJ	400 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	160 J	96 J	120 J	340 J	590	190 J	240 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 UJ	370 U	400 UJ	420 U	83 J	400 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 UJ	370 U	400 UJ	97 J	220 J	400 U	420 U

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.
Semi-Volatile Organic Compounds											
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3900 U	470 U	410 U	390 U	400 U	4400 U	410 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3900 U	**770 J**	**5000**	**9400**	**80400 #D**	4400 U	**430 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	870 J	**1600**	240 J	480	210 J	620 J	170 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**770 J**	**1200**	170 J	210 J	330 J	610 J	150 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1600 J**	**3700**	310 J	**1200 J**	620	**1300 J**	350 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**930 J**	**1100**	410 U	350 J	510	4400 U	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3900 U	470 U	410 U	390 U	400 U	4400 U	410 UJ
CHRYSENE	UG/KG	500000	9000	40000	1500 J	2400	470	950	700	890 J	280 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	220 J	410 U	120 J	400 U	4400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	590	410 U	230 J	110 J	4400 U	120 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	410 U	390 U	400 U	370 U	426 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**29 J**	**660 J**	**4740**	**60 J**	**130 J**	**113 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 J	500	150 J	61 J	**2100**	628
BENZO(a)PYRENE	UG/KG	100000	660	660	270 J	550	110 J	41 J	**1700 J**	445
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	630	730	280 J	110 J	**4000 J**	**1180**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	250 J	190 J	390 U	400 U	**1400 J**	366 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1800	410 U	390 U	400 U	130 J	426 U
CHRYSENE	UG/KG	500000	9000	40000	410	990	320 J	110 J	2200	981
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	460	390 U	400 U	280 J	113 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	150 J	310 J	390 U	400 U	880 J	327 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.	SB-H10-9103-01 12/1/1999 0 - 1 ft.	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.	SB-H10-9104-02 12/1/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	4500 U	370 U	390 U	390 U	390 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**161 J**	**400 J**	**166 J**	**382 J**	**3430 J**	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	160 J	**950 J**	130 J	560	**1100**	700
BENZO(a)PYRENE	UG/KG	100000	660	660	160 J	**720 J**	120 J	630 J	**800**	410 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 J	**2400 J**	280 J	**1200**	**1700**	**1500 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	120 J	4500 UJ	97 J	620	770	310 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	4500 U	370 U	390 U	390 U	590
CHRYSENE	UG/KG	500000	9000	40000	270 J	2000 J	200 J	720	1000	690
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	4500 UJ	370 UJ	160 J	130 J	390 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	89 J	4500 UJ	75 J	390 J	350 J	240 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-3-02 12/10/1999 0 - 1.3 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-763-03 12/8/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	390 U	410 U	410 U	410 UJ	390 U	470 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	**2010 J**	**44 J**	**1330 J**	410 UJ	390 U	470 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1450**	**900**	150 J	890	890 J	420	520
BENZO(a)PYRENE	UG/KG	100000	660	660	**1240**	**820 J**	140 J	530	**700 J**	500	**830 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1820**	**1600 J**	320 J	**1600**	**1700 J**	**1100**	**1000 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	642	330 J	110 J	520	760 J	290 J	500 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	410 U	410 U	410 UJ	390 U	470 U
CHRYSENE	UG/KG	500000	9000	40000	1420	2000	320 J	1400	1300 J	670	700
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	460 J	410 U	150 J	180 J	91 J	270 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	410 J	100 J	370 J	410 J	330 J	720 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-8-01 12/15/1999 0 - 2 ft.	SB-H11-9312-04 12/10/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	400 U	430 U	400 U	420 U	410 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	400 U	**56 J**	**170 J**	**44 J**	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	450	**1300**	210 J	260 J	**950**	770
BENZO(a)PYRENE	UG/KG	100000	660	660	330 J	**1300**	330 J	200 J	**740 J**	640 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**960**	**2400**	**1200 J**	560 J	**2900 J**	**1800 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410	840	360 J	180 J	**930 J**	580 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	400 U	430 U	400 U	420 U	160 J
CHRYSENE	UG/KG	500000	9000	40000	600	1700	510	460	2000	950
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	85 J	240 J	130 J	400 UJ	140 J	200 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	210 J	**1000**	340 J	100 J	490 J	430 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-2-03 12/14/1999 0 - 1.5 ft.	SB-H12-8563-03 12/15/1999 0 - 1 ft.	SB-H13-408-03 6/15/2000 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.	SB-H8-9226-02 12/1/1999 0 - 1.75 ft.	SB-H9-10-05 12/2/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	370 U	396 U	430 U	410 U	400 U	420 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**168 J**	**43.9 J**	430 U	**137 J**	400 U	**60 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1400**	160 J	129 J	**13000 J**	590	270 J	670
BENZO(a)PYRENE	UG/KG	100000	660	660	**1400**	150 J	124 J	**16000 J**	510	420	**670**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2000**	220 J	185 J	**40000 J**	**1200**	**1000**	**970**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	890	370 U	396 U	**12000 J**	490	380 J	310 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	370 U	396 U	430 U	410 UJ	400 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	1300	120 J	158 J	**15000**	820	400 J	910
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	210 J	370 U	396 U	**3900 J**	410 U	82 J	120 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	710	98 J	396 U	**7600 J**	340 J	240 J	380 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20B

Exceedance Summary
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-8155-02 12/1/1999 0 - 1 ft.	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-H10-13-01 8/2/2000 0 - 2 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.
Semi-Volatile Organic Compounds								
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	442 U	381 U	379 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**39 J**	**503 J**	**92 J**	**317 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	230 J	158 J	95 J	299 J
BENZO(a)PYRENE	UG/KG	100000	660	660	250 J	157 J	104 J	301 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 J	247 J	145 J	436
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	180 J	80.9 J	381 U	161 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	442 U	381 U	379 U
CHRYSENE	UG/KG	500000	9000	40000	300 J	241 J	124 J	341 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 UJ	442 U	381 U	379 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	100 J	105 J	381 U	181 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20C

Exceedance Summary
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-01 11/23/1999 0 - 1 ft.	SB-G12-252-02 4/18/2000 0 - 1.5 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.	SB-H10-68-03 12/9/1999 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	190 U	240 U	224 R	2524 R	4941 R	150 UJ	**187 J**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**370**	240 U	227 U	476 U	4762 U	150 UJ	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	190 U	**20 J**	**2950 J**	**28507 J**	**141377 J**	**470 J**	**357 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	190 U	240 U	227 U	476 U	NR	150 UJ	250 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	370 U	480 U	455 U	952 U	9524 U	290 UJ	500 U

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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20C

Exceedance Summary
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.
Energetics & Explosives							
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**451 J**	**564**	11000 UJ
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**315 J**	250 U	**350000 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**169 J**	**180 J**	11000 UJ
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	**290000 J**
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	**37000 J**

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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-20D

Exceedance Summary
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-2008-03 11/30/1999 0 - 1 ft.	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8682-05 12/2/1999 0 - 2 ft.	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.
Polychlorinated Biphenyls										
TOTAL PCBS	UG/KG	50000	490	2000	**7600 J**	**3400 P**	**4400**	**1440**	**660**	**6200 J**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns

Table 5-20D

Exceedance Summary
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.
Polychlorinated Biphenyls										
TOTAL PCBS	UG/KG	50000	490	2000	**13800 J**	**1010 J**	**1650**	**150000**	**800 J**	**21700 J**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns

Table 5-20D

Exceedance Summary
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.
Polychlorinated Biphenyls							
TOTAL PCBS	UG/KG	50000	490	2000	**595**	**600**	**550 J**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns

Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-20-02 7/12/2000 0 - 1.5 ft.	SB-F11-2-03 12/10/1999 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.	SB-F11-8113-02 12/10/1999 0 - 2 ft.	SB-F11-8227-01 12/8/1999 0 - 1 ft.	SB-F11-A2-01 12/10/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.3 BN	0.57 UN	0.928 J	**1140 N**	2 N	0.61 N	0.39 BN	0.97 N
ARSENIC	MG/KG	NA	20	20	7.1	6.2	**173**	**356 J**	**49.2**	12.1 J	**29.3**	**239 J**
BERYLLIUM	MG/KG	NA	2	2	0.67 B	0.58	0.441	0.24 B	0.29 B	0.48	0.53	0.57
COPPER	MG/KG	NA	600	600	**846 J**	**679 J**	48.4	**3350**	54.3	97.9	34.9	36.1
LEAD	MG/KG	NA	400	600	**1370 J**	146 J	201 J	**100000**	364	**481**	66.6	168
MERCURY	MG/KG	NA	14	270	1.3 N	0.15 N	0.704	2	1.2	0.38	0.34	0.29
NICKEL	MG/KG	NA	250	2400	23.6 J	11.1 J	9.62	32.8	12.1	14.5	8.3	9.5
THALLIUM	MG/KG	NA	2	2	2.9 U	1.1 U	1.16 U	9.7 U	1.1 U	1.2 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	248 J	248 J	72	397	57.5	55.6	230	36.4

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-1-02 11/23/1999 0 - 1 ft.	SB-G10-16-02 11/30/1999 0 - 1 ft.	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-2-03 11/22/1999 0 - 1 ft.	SB-G10-2009-03 11/30/1999 0 - 1 ft.	SB-G10-269-02 9/27/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.72 N	0.6 N	5.9 N	0.339 J	1.3 N	0.33 BN	0.98
ARSENIC	MG/KG	NA	20	20	**84.2**	**115**	**35.1**	**48.5**	15.7 *	**20.4**	**26.6**
BERYLLIUM	MG/KG	NA	2	2	0.39	1.1	0.64 J	0.059 J	0.86	0.27	0.398
COPPER	MG/KG	NA	600	600	63.6 J	40.6	**6000**	21.5	110 J	28.9	17.8 J
LEAD	MG/KG	NA	400	600	120 J	**412**	**3560**	**438**	341	**556**	88.1
MERCURY	MG/KG	NA	14	270	10.5 N	0.38	3.2	0.216	0.93 *	0.22	0.47
NICKEL	MG/KG	NA	250	2400	11.1 J	11.2	95.7	5.16	**1020**	19.6	6.4
THALLIUM	MG/KG	NA	2	2	0.99 U	1 U	5.1 U	1.03 U	1.1 U	0.83 U	1.16 U
ZINC	MG/KG	NA	1500	1500	87.8 J	69.5	623	45.1	357 N	214	48.5

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-3-01 12/15/1999 0 - 0.5 ft.	SB-G10-4-02 12/14/1999 0 - 0.8 ft.	SB-G10-4-05 12/14/1999 0 - 1 ft.	SB-G10-8106A-04 11/30/1999 0 - 1 ft.	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.96 J	9.7	0.77 N	0.79 N	0.52 UN	**179 N**	0.44 UN
ARSENIC	MG/KG	NA	20	20	13.6	**90.6**	**22.7**	**41**	15.9	**41.7**	10.9
BERYLLIUM	MG/KG	NA	2	2	0.241	**5.2**	0.54	0.62	0.38	0.44 B	0.74
COPPER	MG/KG	NA	600	600	62.2	392	244	140	91.6	**1370**	60.5
LEAD	MG/KG	NA	400	600	**400**	**2910**	370	**995**	**853**	**35300**	**436**
MERCURY	MG/KG	NA	14	270	0.938	**29.2**	13.8	6.8	2.3	0.88	**33.7**
NICKEL	MG/KG	NA	250	2400	14.4	**1070**	169	56.3	16.7	**281**	13.4
THALLIUM	MG/KG	NA	2	2	0.914 U	13.5 UN	0.96 U	1.1	1 U	8.8 U	0.88 U
ZINC	MG/KG	NA	1500	1500	66	907	271	843	168	892	200

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.	SB-G10-8114-03 12/15/1999 0 - 2 ft.	SB-G10-8159-03 12/15/1999 0 - 1.5 ft.	SB-G10-8204-02 11/22/1999 0 - 2 ft.	SB-G10-8213-07 11/30/1999 0 - 1 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	10.7 N	1.3 N	0.63 U	0.6 B	1.4 N	0.69 N	0.5 UN
ARSENIC	MG/KG	NA	20	20	**99.7**	7.5	11.7	**20.1**	10.3 *	**32.3**	**32.7**
BERYLLIUM	MG/KG	NA	2	2	0.33 B	0.44	0.45	0.35 B	0.5	0.39	0.5
COPPER	MG/KG	NA	600	600	317 J	232 J	**1490**	116	184 J	86.9	44.8
LEAD	MG/KG	NA	400	600	**7650 J**	**1120 J**	183	**806**	**448**	**3420**	309
MERCURY	MG/KG	NA	14	270	0.72 N	1.6 N	0.75	1.1	1.2 *	0.78	0.14
NICKEL	MG/KG	NA	250	2400	19.7 J	12.5 J	11	9	12.7	12.9	13.5
THALLIUM	MG/KG	NA	2	2	3.9 U	0.77 U	1.3 UJ	1.2 UN	0.98 U	0.92 U	1 U
ZINC	MG/KG	NA	1500	1500	600 J	963 J	143	254	143 N	150	339

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8501-06 12/16/1999 0 - 1 ft.	SB-G10-8502-03 12/15/1999 0 - 0.5 ft.	SB-G10-8502-07 12/15/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.	SB-G10-8522-02 12/15/1999 0 - 0.5 ft.	SB-G10-9100-01 11/22/1999 0 - 0.5 ft.	SB-G10-9515-02 11/23/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.64 N	4.9 U	0.94	1.3 N	2.6 B	1.1 N	**20.5 N**
ARSENIC	MG/KG	NA	20	20	**25.8 J**	**25.8**	**319**	**42.4 N**	**22.6**	**197 ***	13.1
BERYLLIUM	MG/KG	NA	2	2	0.62 J	1.1 B	0.67	0.68	0.48 B	0.34	0.4
COPPER	MG/KG	NA	600	600	185	164	164	112 N	370	76.5 J	155 J
LEAD	MG/KG	NA	400	600	361	**2660**	**495**	211	**1110**	**965**	**709 J**
MERCURY	MG/KG	NA	14	270	5.1 J	5.9	13	**65.2 J**	2.6	0.42 *	1.6 N
NICKEL	MG/KG	NA	250	2400	18.3 J	**695**	82.5	22.8 J	117	10.6	14.1 J
THALLIUM	MG/KG	NA	2	2	1.8	9.8 UN	1.2 UN	**2**	11 UN	0.9 U	1 U
ZINC	MG/KG	NA	1500	1500	243 J	1010	293	222	1250	88.8 N	292 J

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.	SB-G11-2259-01 12/2/1999 0 - 1.5 ft.	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-3-01 12/9/1999 0 - 1.5 ft.	SB-G11-5-02 12/2/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.57 UN	0.33 BN	0.57 U	0.79 J	1.3 J	0.23 BN	0.3 J
ARSENIC	MG/KG	NA	20	20	**35.2 J**	**24.4 J**	**221**	**120 J**	**78.7 J**	**27.6**	**46.2 J**
BERYLLIUM	MG/KG	NA	2	2	0.46 J	0.48 J	0.53	0.6	0.99	0.77	0.16 B
COPPER	MG/KG	NA	600	600	67.3	23.2	70.3	30.2 J	69.6 J	91.5	10.8 J
LEAD	MG/KG	NA	400	600	87.2	127	156	77 J	138 J	327	30.2 J
MERCURY	MG/KG	NA	14	270	0.09 J	0.07 J	0.17	0.84 J	0.42 J	1.7 J	0.07 J
NICKEL	MG/KG	NA	250	2400	9.2 J	8.6 J	8.5	11.3 J	16.9 J	10.2	4.6 J
THALLIUM	MG/KG	NA	2	2	1.1 B	0.9 U	1.1 UN	0.45 J	1.2 UJ	1.2 U	1.1 UJ
ZINC	MG/KG	NA	1500	1500	71.4 J	63.1 J	128	555 J	386 J	44.6	31.4 J

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-66-05 12/9/1999 0 - 0.5 ft.	SB-G11-8208-05 12/10/1999 0 - 1.5 ft.	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-03 12/7/1999 0 - 2 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.36 BN	0.58 UJ	1.4 J	0.48 UN	0.84 J	0.93 J	0.51 UJ
ARSENIC	MG/KG	NA	20	20	10.7	**21.6 J**	**57.1 J**	**28.8**	5.2	7.1	**53.1 J**
BERYLLIUM	MG/KG	NA	2	2	0.58	0.44	0.4	0.62	0.51	0.59	0.36
COPPER	MG/KG	NA	600	600	**1070**	27.7	33.2 J	32.1	553 J	69.4 J	18.6 J
LEAD	MG/KG	NA	400	600	86.7	62.4	79.7 J	104	**901 J**	**6590 J**	50.9 J
MERCURY	MG/KG	NA	14	270	0.54 J	0.64	0.34 J	0.2 J	**132**	2.4	0.14 J
NICKEL	MG/KG	NA	250	2400	9.7	11	11.4 J	12.3	7.7 J	9.9 J	6.8 J
THALLIUM	MG/KG	NA	2	2	1 U	1.2 U	1.2 UJ	0.96 U	0.96 U	1 U	1 UJ
ZINC	MG/KG	NA	1500	1500	107	36.2	24.2 J	102	152	214	350 J

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.83 J	2.4 N	0.36 BN	0.8 N	7.6 N	0.47 UN	0.428 J
ARSENIC	MG/KG	NA	20	20	**221 ***	**587 ***	**53.7 ***	**156 ***	**1150 ***	**20.6**	**106**
BERYLLIUM	MG/KG	NA	2	2	0.15	0.54 J	0.57 J	0.32 J	0.6 J	0.56 J	0.428
COPPER	MG/KG	NA	600	600	22.3 J	73.2 *	29.4 *	23.9 *	29.2 *	44	24.2
LEAD	MG/KG	NA	400	600	83.3 J	199	87.6	83.8	31.5	40.8	45.3
MERCURY	MG/KG	NA	14	270	0.28 J	0.57	0.24	0.18	0.21	0.26	0.14
NICKEL	MG/KG	NA	250	2400	15.5 *	25	12.9	8.2	13.4	8.3	9.33
THALLIUM	MG/KG	NA	2	2	1.2 U	1.1 U	0.97 U	0.94 U	0.88 U	0.94 U	1.14 U
ZINC	MG/KG	NA	1500	1500	101 J	391	58.4	37.8	44.5	85.8	38.5

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-15-02 6/15/2000 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8107-02 11/23/1999 0 - 1 ft.	SB-G9-8107-05 11/23/1999 0 - 2 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.	SB-G9-8182-05 11/22/1999 0 - 1 ft.	SB-G9-8267-04 11/23/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.684 UJ	10.7 J	7.2 N	1 N	11 N	7.4 J	2.4 N
ARSENIC	MG/KG	NA	20	20	3.93	19.2	**169**	**67.3**	**20.8 ***	10.8 *	**49**
BERYLLIUM	MG/KG	NA	2	2	0.846	0.65 B	0.5	0.97	0.58	0.46	0.33
COPPER	MG/KG	NA	600	600	19.3	**4170 J**	171 J	89.4 J	361 J	81.8 J	193 J
LEAD	MG/KG	NA	400	600	20.4 J	**496 J**	**745 J**	265 J	**2860**	**528**	**1070 J**
MERCURY	MG/KG	NA	14	270	0.308	2.1 UJ	1.7 N	0.41 N	1 *	0.44 *	0.76 N
NICKEL	MG/KG	NA	250	2400	11.9	38.1 J	19.9 J	14.2 J	51.3	12.7	10.2 J
THALLIUM	MG/KG	NA	2	2	**2.31**	5.9 U	1.2 U	1.2 U	1.8 U	0.99 U	1.1 U
ZINC	MG/KG	NA	1500	1500	88.2	317 J	290 J	216 J	459 N	186 J	182 J

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.67 N	0.82 N	0.66 N	**15.9 N**	7.8 N	1.6 N	0.85 J
ARSENIC	MG/KG	NA	20	20	**88.7**	10.9	8.5	16 *	8.4 *	**20.9** *	12.1 J
BERYLLIUM	MG/KG	NA	2	2	0.45 J	0.35	0.28 B	0.37 J	0.42 J	0.94 J	0.26 B
COPPER	MG/KG	NA	600	600	62.3	65.7	13.2 U	36.7 *	38 *	51.5 *	31.2 J
LEAD	MG/KG	NA	400	600	**1040**	**852**	**2370**	**9820**	**8330**	**538**	**4280 J**
MERCURY	MG/KG	NA	14	270	0.5	0.27 J	1.4 J	0.86	1.8	1.6	0.42 J
NICKEL	MG/KG	NA	250	2400	13.9	17.8	9.2	8.9	7.5	12.1	7.4 J
THALLIUM	MG/KG	NA	2	2	0.94 U	0.89 U	0.98 U	0.98 U	0.91 U	1.2 U	1.1 UJ
ZINC	MG/KG	NA	1500	1500	134	376	24.5	44.9	56.6	345	26.9 J

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-2003-01 12/10/1999 0 - 1.3 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-267-01 12/10/1999 0 - 1 ft.	SB-H10-269-03 12/8/1999 0 - 1 ft.	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.39 BN	3.3 N	1.1 N	2.1 N	2.2 N	2.5 N	7.6 UN
ARSENIC	MG/KG	NA	20	20	6.9 J	14.6	11.7	12.9 J	**93**	7.4 J	10.1
BERYLLIUM	MG/KG	NA	2	2	0.29 B	0.22 J	0.25	0.31 B	0.36	0.36	0.29 B
COPPER	MG/KG	NA	600	600	23.9	73.2	50.6	97.5	30.6	48.6	16
LEAD	MG/KG	NA	400	600	**12600**	**4510**	**1650**	**880**	190	**4210**	**9330**
MERCURY	MG/KG	NA	14	270	0.48	4.3	**52.9**	0.63	0.3	2.6	7.3
NICKEL	MG/KG	NA	250	2400	5	11	18.3	14.6	9.2	11.3	4.8 B
THALLIUM	MG/KG	NA	2	2	1 U	0.87 U	0.42 B	2.2 U	1 U	0.52 B	15.1 U
ZINC	MG/KG	NA	1500	1500	113	165	109	70.2	73	114	33.4

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-8225-03 12/9/1999 0 - 1 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	2 UN	0.32 BN	0.676 J	3.5 N	11.6	0.27 BN	1.6 N
ARSENIC	MG/KG	NA	20	20	15	**54.4**	18.4	**53.5**	**641**	9.9 *	**28 ***
BERYLLIUM	MG/KG	NA	2	2	0.4 B	0.48	0.622	0.24 B	0.275	0.44 J	0.35 J
COPPER	MG/KG	NA	600	600	48.4	75.8	270	151	52.9	38.6 *	54 *
LEAD	MG/KG	NA	400	600	**2790**	284	**728**	**464**	368	**1070**	**1100**
MERCURY	MG/KG	NA	14	270	0.51 J	0.18 J	0.325	1.2	3.22	0.39	0.61
NICKEL	MG/KG	NA	250	2400	11.1	14.1	19.6	13.2	14.7	12.5	16.2
THALLIUM	MG/KG	NA	2	2	4 U	0.82 U	1.02 U	0.9 U	0.681 J	1 U	1 U
ZINC	MG/KG	NA	1500	1500	87.4	177	848	95.3	43.2	219	59.5

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.	SB-H10-9104-02 12/1/1999 0 - 1 ft.	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-2319-02 6/23/2000 0 - 1.25 ft.	SB-H11-3-03 6/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.58 N	0.28 BN	7.1 N	0.576 UJ	1.3 N	0.525 J	2.36 J
ARSENIC	MG/KG	NA	20	20	18.7	14.4	**35.2**	8.57	16.1 *	15.9	**112**
BERYLLIUM	MG/KG	NA	2	2	0.26 J	0.06 J	0.22 J	0.7	0.4 J	0.515	0.271
COPPER	MG/KG	NA	600	600	40.8	9.6	93.2	22.4	22 *	48	45.7
LEAD	MG/KG	NA	400	600	**2630**	**2930**	**16800**	**621 J**	**2040**	**563**	179
MERCURY	MG/KG	NA	14	270	1	0.2	0.83	0.153	2	0.635	0.798 J
NICKEL	MG/KG	NA	250	2400	11.4	3.6	17.9	9.95	7.1	11.5	8.46 J
THALLIUM	MG/KG	NA	2	2	0.96 U	0.96 U	1 U	1.13	1 U	1.06 J	1.23 U
ZINC	MG/KG	NA	1500	1500	84.2	18.4	224	727	138	292	36.5 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-8-01 12/15/1999 0 - 2 ft.	SB-H11-9-04 6/15/2000 0 - 1 ft.	SB-H11-9310-03 12/3/1999 0 - 1 ft.	SB-H11-9312-02 12/10/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	4.6 N	1.5 N	6.3 J	0.55 U	2.13 J	0.48 UN	0.56 N
ARSENIC	MG/KG	NA	20	20	**208 J**	**168 ***	**33.8**	**22.3**	**317**	**42.6 ***	11.6 J
BERYLLIUM	MG/KG	NA	2	2	0.26 B	0.41 J	0.39	0.32 B	0.98	0.25 J	0.31 B
COPPER	MG/KG	NA	600	600	46	28.1 *	57.7 J	30.4	58.9	15 *	52.8
LEAD	MG/KG	NA	400	600	**998**	109	**554 J**	95.8	243 J	190	265
MERCURY	MG/KG	NA	14	270	10.7	0.23	6.4	0.06	0.653	0.46	0.27
NICKEL	MG/KG	NA	250	2400	8.1	7.3	15.4 J	7	20.5	3.2	11.3
THALLIUM	MG/KG	NA	2	2	0.73 B	1.1 U	1.2 U	1.1 UN	**8.88**	0.96 U	**2.5**
ZINC	MG/KG	NA	1500	1500	18.8	31.8	351	57.3	164	128	127

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9312-04 12/10/1999 0 - 1 ft.	SB-H11-9313-04 12/9/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H13-408-02 12/14/1999 0 - 1.3 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	6.8 N	0.38 BN	1.3 N	0.77 N	1.9 N	4 N	0.22 BN
ARSENIC	MG/KG	NA	20	20	**20.6 J**	**121**	**45.4**	**129**	**135 ***	**789 ***	3.9
BERYLLIUM	MG/KG	NA	2	2	0.23 B	0.15 B	0.64	1	0.56 J	0.58 J	0.65
COPPER	MG/KG	NA	600	600	65	17.9	**760**	48.6	36.2 *	36.9 *	53.8
LEAD	MG/KG	NA	400	600	**1350**	65.1	320	317	92.2	176	**2010**
MERCURY	MG/KG	NA	14	270	0.53	0.12 J	0.16	0.32	0.39	0.23	0.08
NICKEL	MG/KG	NA	250	2400	9.5	7.6	10.5	14.2	10	14.1	7.7
THALLIUM	MG/KG	NA	2	2	2 U	1 U	1.1 U	1.1 U	1.1 U	0.97 U	1.1 U
ZINC	MG/KG	NA	1500	1500	559	19.6	171	217	86.4	103	57.1

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-9329-02 12/14/1999 0 - 1 ft.	SB-H8-585-01 12/2/1999 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.	SB-H9-8238-01 12/1/1999 0 - 1 ft.	SB-H9-8238-02 12/1/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.26 BN	1.9 J	0.53 UN	1.9 J	1.3 J	0.41 UN	0.48 UN
ARSENIC	MG/KG	NA	20	20	**20.9**	**152 J**	**31.8**	**38.9 J**	**26.8 J**	**20.1**	**22.6**
BERYLLIUM	MG/KG	NA	2	2	0.51	0.35	0.56 J	0.41 B	1.1	0.48 J	0.41 J
COPPER	MG/KG	NA	600	600	19.7	105 J	43	290 J	191 J	18.2	13.5
LEAD	MG/KG	NA	400	600	85.6	**599 J**	165	**496 J**	**521 J**	97.9	36.4
MERCURY	MG/KG	NA	14	270	0.2	0.44 J	0.27	2 *	0.21 J	0.05	0.27
NICKEL	MG/KG	NA	250	2400	9.2	13.4 J	13.5	38.5 J	16.5 J	12.1	7.5
THALLIUM	MG/KG	NA	2	2	1 U	1.1 UJ	1.1 U	3.9 UJ	1 UJ	0.5 B	0.96 U
ZINC	MG/KG	NA	1500	1500	84.3	182 J	121	598 J	**1620 J**	68.8	63.9

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Table 5-20E

Exceedance Summary
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-9117-02 12/15/1999 0 - 1 ft.	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.
Metals, Total							
ANTIMONY	MG/KG	NA	14	340	0.6 U	4.22	0.644 U
ARSENIC	MG/KG	NA	20	20	**57.1**	14.7	**30.8**
BERYLLIUM	MG/KG	NA	2	2	0.41	0.432	0.104
COPPER	MG/KG	NA	600	600	31.4	120	32.9
LEAD	MG/KG	NA	400	600	204	**2100**	284
MERCURY	MG/KG	NA	14	270	0.47	0.579	0.492 U
NICKEL	MG/KG	NA	250	2400	29.6	23.2 J	4.59
THALLIUM	MG/KG	NA	2	2	1.2 UN	1.33	0.941 U
ZINC	MG/KG	NA	1500	1500	180	139	45.9

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+ = Value obtained from a 1:10 dilution
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ft. = Feet below ground surface

Table 5-21A

Exceedance Summary
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-3-02 5/25/2000 0.5 - 1.0 ft.	SB-J11-6-03 5/25/2000 0.5 - 1.0 ft.	SB-J11-8570-01 5/25/2000 0.5 - 1.0 ft.
Volatile Organic Compounds							
BENZENE	UG/KG	1000	3000	13000	**3140**	**3380**	**3780**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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NS = No Standard
ft. = Feet below ground surface

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 5/25/2000 0 - 1 ft.	SB-I11-7-03 5/25/2000 0 - 2 ft.	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-I12-8101-01 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	820 UJ	910 U	8900 U	8660 U	18000 U	880 U	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**100 J**	**38 J**	4400 U	4330 U	**67700 D**	**110 J**	**750 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 UJ	140 J	530 J	4330 U	**940 JD**	440 U	140 J
BENZO(a)PYRENE	UG/KG	100000	660	660	27 J	130 J	550 J	4330 U	9000 U	18 J	140 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 UJ	200 J	**900 J**	4330 U	9000 U	440 U	340 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 UJ	460 U	4400 U	4330 U	9000 U	440 U	130 J
CHRYSENE	UG/KG	500000	9000	40000	410 UJ	230 J	640 J	4330 U	860 JD	440 U	150 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	500 UJ	120 JB	21000 B	7870	9000 U	480 U	42 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 UJ	460 U	4400 U	**1630 J**	9000 U	440 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	460 U	4400 U	424 J	9000 U	440 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 UJ	460 U	4400 U	**1790 J**	9000 U	440 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	460 U	4400 U	4330 U	9000 U	440 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 UJ	460 U	5200	4330 U	3100 JD	440 U	420 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-01 5/18/2000 0 - 1 ft.	SB-J11-1-17 5/18/2000 0 - 1 ft.	SB-J11-1-20 8/1/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-06 5/23/2000 0 - 1.5 ft.	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	780 U	857 U	760 UJ	8200 U	750 UJ	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**410**	**83 J**	428 U	**52500 J**	**930 J**	**200 J**	**452 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	100 J	140 J	**1150**	120 J	4100 U	46 J	420 U
BENZO(a)PYRENE	UG/KG	100000	660	660	100 J	140 J	**952**	160 J	4100 U	64 J	420 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	170 J	200 J	**1750**	380 J	4100 U	170 J	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	390 U	644	170 J	4100 U	370 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	120 J	150 J	1100	200 J	4100 U	90 J	420 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1800	1900	3250	180 UJ	11000	3200	4500
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	390 U	168 J	380 UJ	4100 U	370 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	67.7 J	380 UJ	4100 U	370 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	78 J	446	180 J	4100 U	370 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	390 U	428 UJ	380 UJ	4100 U	370 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	650	1100	188 J	1500 J	9200	340 J	4700

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-B25-01 9/12/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	7500 UJ	740 U	780 U	750 U	719 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**49 J**	**2500 J**	**670 J**	**183 J**	**711 J**	**78.4 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	83 J	3700 U	320 J	63 J	370 U	252 J
BENZO(a)PYRENE	UG/KG	100000	660	660	87 J	3700 U	410	390 U	370 U	270 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	180 J	3700 UJ	**1300**	140 J	370 U	415
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	70 J	3700 UJ	130 J	390 U	370 U	127 J
CHRYSENE	UG/KG	500000	9000	40000	130 J	3700 UJ	820	110 J	99 J	293 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2900	**110000 J**	48 J	550	370 U	180 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	3700 UJ	540	390 U	370 U	359 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 J	330 J	370 U	390 U	370 U	359 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	3700 UJ	350 J	390 U	370 U	173 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	3700 U	370 U	390 U	370 U	359 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 J	9700 J	370 U	390 U	370 U	88.8 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-B25-02 5/25/2000 0 - 1.5 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-1-02 7/25/2000 0 - 2 ft.	SB-K10-2-05 5/25/2000 0 - 1.5 ft.	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.	SB-K10-2090-04 5/16/2000 0 - 1.25 ft.	SB-K10-2090-08 5/16/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	730 U	790 U	7160 U	870 U	730 U	740 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**100 J**	**33 J**	**781 J**	**790 J**	**61 J**	**120 J**	**1800 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	250 J	400 U	484 J	41 J	620	**2200**	**5400**
BENZO(a)PYRENE	UG/KG	100000	660	660	320 J	400 U	541 J	44 J	**760**	**1700**	**3900**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	530	89 J	853 J	100 J	**1200**	**2300**	**4900**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	210 J	400 U	3580 U	430 U	350 J	690	**1500**
CHRYSENE	UG/KG	500000	9000	40000	380	45 J	3580 U	70 J	830	1700	3900
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	97 J	400 U	7060	640	23000	4500	2900
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	400 U	3580 U	430 U	370 U	370 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	400 U	3580 U	430 U	140 J	370 U	33 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	190 J	400 U	3580 U	430 U	520	**1000**	**2800**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	400 U	3580 U	430 U	370 U	370 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	400 U	913 J	110 J	3700	320 J	410

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2197-04 8/1/2000 0 - 2 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	752 U	7500 UJ	800 UJ	7400 U	770 UJ	800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**98.5 J**	**990 J**	**66 J**	**450 J**	**1170 J**	**162 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	110 J	3700 UJ	70 J	3700 U	68 J	170 J
BENZO(a)PYRENE	UG/KG	100000	660	660	90.6 J	3700 UJ	84 J	3700 U	64 J	140 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	133 J	3700 UJ	370 J	3700 U	110 J	310 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	376 U	3700 UJ	140 J	3700 U	380 U	110 J
CHRYSENE	UG/KG	500000	9000	40000	106 J	3700 UJ	86 J	3700 U	80 J	200 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	376 U	48000 J	4300 J	10000 B	24000	20000
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	376 U	3700 UJ	400 UJ	3700 UJ	380 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	376 U	2900 J	3000 J	10000	600 J	1300
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	376 U	3700 UJ	130 J	3700 UJ	78 J	130 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	376 U	3700 UJ	400 UJ	3700 U	380 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	376 U	10000 J	730 J	5000 J	3200	1800

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-1-04 5/18/2000 0 - 1 ft.	SB-K11-2225B-02 5/12/2000 0 - 1.5 ft.	SB-K11-2264-04 5/18/2000 0 - 1.5 ft.	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2301-02 8/1/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	750 UJ	760 U	810 U	790 U	959 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**61 J**	370 U	**61 J**	**170 J**	**96 J**	**110 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390	810	160 J	500	400 U	152 J
BENZO(a)PYRENE	UG/KG	100000	660	660	540	**750**	150 J	540	400 U	195 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	700	**1100**	240 J	**920**	400 U	518
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	220 J	290 J	380 U	200 J	400 U	227 J
CHRYSENE	UG/KG	500000	9000	40000	510	640	190 J	760	400 U	306 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4700	240 J	290 J	16000 *D	16000 *D	3260
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	130 J	100 J	380 U	410 U	400 U	480 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	140 J	370 U	380 U	250 J	950	480 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430	400	87 J	420	400 U	233 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	370 UJ	380 U	410 U	400 U	480 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1000	800	380 U	6000	4700	1170

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-598-02 7/25/2000 0 - 0.5 ft.	SB-K11-601-01 5/12/2000 0 - 0.5 ft.	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.	SB-L10-2-02 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	9400 U	7400 U	761 U	810 U	788 U	826 U	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4700 U	3700 U	381 U	**39 J**	**88.7 J**	**740.9 J**	**180 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	440 J	**4200**	**4090**	**1100**	539	163 J	490
BENZO(a)PYRENE	UG/KG	100000	660	660	420 J	**5000**	**3710**	**1200**	**929**	170 J	470
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	4700 U	**9300**	**5320**	**1700**	**2080**	233 J	800
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4700 U	**3300 J**	**1820**	550	584	124 J	290 J
CHRYSENE	UG/KG	500000	9000	40000	500 J	4700	3730	990	837	164 J	480
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	**300000 *D**	**190000 *D**	1140	3100	5500	1380	1100 B
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4700 U	3700 U	381 U	220 J	271 J	413 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	**72000**	3500 J	381 U	410 U	394 U	413 U	1900
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4700 U	**3000 J**	**2190**	720	**945**	95 J	320 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4700 U	3700 U	381 U	410 U	394 U	413 UJ	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	**260000 *D**	9300	339 J	320 J	609	218 J	220 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2088-01 8/2/2000 0 - 1 ft.	SB-L10-2088-02 5/18/2000 0 - 1 ft.	SB-L10-2191-02 5/16/2000 0 - 1.5 ft.	SB-L10-2242-02 8/2/2000 0 - 1 ft.	SB-L10-2242-03 5/18/2000 0 - 1.5 ft.	SB-L10-2316-02 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	745 U	760 U	830 U	753 U	720 U	6900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**232.5 J**	**31 J**	420 U	**1413.2 J**	**817 J**	**560 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	450	560	**1400**	**2030**	52 J	**6900 D**
BENZO(a)PYRENE	UG/KG	100000	660	660	441	530 J	**1200**	**1910**	61 J	**5900 D**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	762	700 J	**1700**	**2640**	110 J	**9500 D**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	232 J	430 J	590	**1040**	360 U	**3400 JD**
CHRYSENE	UG/KG	500000	9000	40000	492	540	1200	1690	88 J	6500 D
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	758	1200 B	47000	646	660 B	8700 BD
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	105 J	380 UJ	420 U	344 J	360 U	3500 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	372 U	42 J	420 U	376 U	360 U	3500 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	321 J	270 J	**920**	**1170**	360 U	**3300 JD**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	372 UJ	380 U	420 U	376 UJ	360 U	3500 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	185 J	1300	24000	332 J	360 J	2500 JD

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8210-03 5/25/2000 0 - 1 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L10-8215-01 8/2/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.	SB-L10-B462-03 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 U	**14800**	4240	784 U	750 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**151 J**	NR	**185 J**	**733**	**680 J**	**150 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	620	NR	358 J	151 J	400	100 J
BENZO(a)PYRENE	UG/KG	100000	660	660	620 J	NR	375 J	149 J	300 J	87 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1100 J**	NR	639	202 J	670 J	160 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	340 J	NR	159 J	113 J	140 J	370 U
CHRYSENE	UG/KG	500000	9000	40000	800	NR	444	145 J	400	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1100 B	NR	758	1610	1200 B	1900 B
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 UJ	NR	400 U	392 U	370 UJ	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	37 J	NR	400 U	392 U	53 J	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	320 J	NR	189 J	85.1 J	170 J	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	NR	400 U	392 UJ	370 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	100 J	NR	583	223 J	140 J	720

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-1-04 5/18/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0 - 1 ft.	SB-L11-2089-01 5/18/2000 0 - 1 ft.	SB-L11-2089-05 5/18/2000 0 - 1 ft.	SB-L11-2091-02 5/18/2000 0 - 0.5 ft.	SB-L11-2091-05 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	700 U	780 U	740 U	720 U	740 U	760 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**3340**	**1300 J**	**860 J**	**1140**	**238 J**	**1170**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**940**	**1300**	260 J	840	180 J	**960**
BENZO(a)PYRENE	UG/KG	100000	660	660	**830 J**	**1200**	250 J	**810**	170 J	**920**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1200 J**	**2000**	340 J	**1300**	290 J	**1500**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	540 J	740	240 J	460	140 J	640
CHRYSENE	UG/KG	500000	9000	40000	770	1300	230 J	650	190 J	810
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2900 B	390 U	910 B	1300 B	230 U	570 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	350 UJ	260 J	370 U	140 J	370 U	120 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1200	71 J	550	920	230 J	700
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 J	890	81 J	430	370 U	370 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 U	390 U	370 U	360 U	370 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1700	2500	1500	590	95 J	90 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2226-02 5/18/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.	SB-L9-1-02 5/12/2000 0 - 0.5 ft.	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-2262-05 5/23/2000 0 - 1 ft.	SB-M10-724-03 8/2/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	700 U	710 U	750 U	7900 U	730 UJ	759 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	350 U	**1900**	370 U	**2300 J**	**532 J**	379 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1600**	210 J	880	4000 U	240 J	**4980 J**
BENZO(a)PYRENE	UG/KG	100000	660	660	**1600**	180 J	**780**	4000 U	370 UJ	**4670 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1900**	250 J	**1100**	4000 U	400 J	6830 EJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1400**	140 J	350 J	4000 U	120 J	**2420 J**
CHRYSENE	UG/KG	500000	9000	40000	1200	190 J	770	4000 U	260 J	5100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	790 B	270 J	500 J	270 J	479 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	350 U	350 U	110 J	4000 U	370 UJ	**796 J**
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 J	110 J	370 U	4000 U	370 U	215 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	610	79 J	380	4000 U	370 UJ	**2840 J**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 U	350 U	370 U	4000 U	370 U	379 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	350 U	380	370 U	730 J	580	696 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M9-2251-03 5/25/2000 0 - 1 ft.	SB-M9-2254-03 5/12/2000 0 - 1 ft.	SB-M9-2261-02 8/2/2000 0 - 1 ft.	SB-M9-3-01 5/18/2000 0 - 1.25 ft.	SB-N8-2304-01 5/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1045 UJ	800 UJ	870 U	750 U	7497 U	700 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	522 UJ	**79 J**	430 U	**3430 J**	3748 U	**10290 *D**	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**2350 J**	80 J	**1100**	59 J	**15300**	**1900**	**1600**
BENZO(a)PYRENE	UG/KG	100000	660	660	**1420 J**	61 J	**780**	69 J	**24000**	**2100**	**1500**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**6030 J**	400 U	**1100**	100 J	**28200**	**3600**	**2400**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1550 J**	400 U	350 J	370 U	**10600**	**1000**	**1100**
CHRYSENE	UG/KG	500000	9000	40000	6720 J	96 J	960	81 J	**15300**	2600	2000
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	428 J	160 J	170 U	180 J	724 J	2900 B	4400 B
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	388 J	400 U	130 J	370 U	**4990**	350 U	430
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	522 UJ	400 U	430 U	370 U	3748 U	350 U	220 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1370 J**	400 U	410 J	370 U	**18500**	**1700**	**1200**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	522 UJ	400 U	430 U	370 U	3748 UJ	350 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	522 UJ	180 J	430 U	570	2310 J	490	620

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N8-2304-05 5/25/2000 0 - 1 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.	SB-N9-2260-01 7/13/2000 0 - 1 ft.	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	SB-N9-2267-05 6/15/2000 0 - 2 ft.	SB-N9-2269-04 5/25/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1400 U	720 UJ	701 U	772 U	722 U	1500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	720 U	360 U	**51.2 J**	**63.7 J**	**1141.9 J**	740 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**3300 D**	**1500**	**1920**	202 J	330 J	720 JD
BENZO(a)PYRENE	UG/KG	100000	660	660	**3100 D**	**1200**	**1840**	215 J	279 J	**690 JD**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4100 D**	**1900**	**2560**	427	385	**1100 D**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1500 D**	750	**965**	182 J	151 J	400 JD
CHRYSENE	UG/KG	500000	9000	40000	4000 D	1200	2190	221 J	380	730 JD
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2200 BD	83 J	262 J	80900	87.3 J	12000 BD
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	590 JD	140 J	417	386 U	54.1 J	740 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	120 JD	32 J	351 U	86 J	361 U	76 JD
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1700 D**	420	**1340**	152 J	167 J	440 JD
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	720 U	360 U	**793**	386 U	361 U	740 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	310 JD	1100	NR	19900	2010	1900 D

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21B

Exceedance Summary
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-2274-01 5/16/2000 0 - 2 ft.	TP-J11-2188-09 8/3/2000 4 - 6 ft.	TP-J11-2188-10 8/3/2000 4 - 6 ft.	TP-L11-2089-06 8/2/2000 9 - 11 ft.
Semi-Volatile Organic Compounds								
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	797 U	811 U	767 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	**72.5 J**	**135 J**	**795 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**7200**	398 UJ	406 U	**2540**
BENZO(a)PYRENE	UG/KG	100000	660	660	**4300**	398 UJ	406 U	**2000**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**5100**	398 UJ	406 U	**2710**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1300**	398 UJ	406 U	861
CHRYSENE	UG/KG	500000	9000	40000	5200	398 U	406 U	2080
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	5630	1000	814
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	398 UJ	406 U	383 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	398 U	406 U	94 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**2800**	398 UJ	406 U	**1100**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	398 U	406 U	383 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	2060	1080	432

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 7/19/2000 0 - 1 ft.	SB-I11-8260-02 7/19/2000 0 - 1 ft.	SB-J11-1-02 5/18/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	**336**	490 R	240 U	**180 J**	240 U	**170 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	238 U	250 U	**2200**	**15000 J**	**2200**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	238 U	250 U	240 U	250 U	240 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**56300**	**157000**	**46000**	40000	**51000**	6200 U	8000

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.	SB-J11-317-01 5/23/2000 0 - 1.5 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1300 R	250 U	240 U	250 U	**130 J**	**42000**	5900 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**990 J**	**620 J**	**300**	**650**	**370 J**	250 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	240 U	250 U	250 U	360 R	240 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**1100000 D**	5400 U	5500 U	5400 U	7000 U	5600 U	**830000**

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2090-08 5/16/2000 0 - 1 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K11-2225B-04 5/12/2000 0 - 1 ft.
Energetics & Explosives										
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**250 J**	3700 R	300 R	**1200 J**	250 U	1500 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**31000**	240 U	250 U	**800 J**	**1900 J**	140 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	250 U	250 U	140 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5500 U	**260000**	**120000**	**250000**	**310000**	**74000**

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2302-03 5/18/2000 0 - 1.5 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1900 R	4100 R	3700 R	110000 R	1900 R	266 R	255 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	130 R	250 U	240 U	240 U	380 R	250 U	**13100 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	240 U	240 U	140 U	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**470000 D**	**630000 D**	**810000 D**	**8600000 D**	**320000 D**	**81000**	3600 J

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2088-01 8/2/2000 0 - 1 ft.	SB-L10-2191-02 5/16/2000 0 - 1.5 ft.	SB-L10-6-01 8/2/2000 0 - 1 ft.	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.	SB-L11-1-04 5/18/2000 0 - 1 ft.	SB-L11-2089-01 5/18/2000 0 - 1 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1010 R	9800 R	**610**	250 R	250 U	240 U	**250 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**406**	240 U	238 U	**150 J**	**590**	**550**	**860**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**367**	240 U	238 U	250 U	250 U	240 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	11000	**3900000 D**	4850 U	5500 U	5600 U	24000	27000

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2089-05 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.	SB-M10-7-02 5/18/2000 0 - 0.5 ft.	SB-M10-7-03 8/2/2000 0 - 1.5 ft.	SB-M10-724-01 5/18/2000 0 - 0.5 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**250 J**	**1700 J**	250 U	**467**	2600 R	**13400**	360 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**4500**	250 U	**390**	227 U	250 U	192 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	227 U	250 U	**626 J**	240 U
NITROGLYCERIN	UG/KG	NA	46000	200000	2800 J	6400 U	11000	5640 U	**280000**	4980 U	**50000**

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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M8-2196-07 5/12/2000 0 - 1.5 ft.	SB-M9-2192-03 5/12/2000 0 - 1 ft.	SB-M9-2192-05 5/12/2000 0 - 1 ft.	SB-M9-2193-01 5/12/2000 0 - 1 ft.	SB-M9-2193-05 5/12/2000 0 - 2 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.
Energetics & Explosives										
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2000 R	140 U	760 R	2000 R	130 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	140 U	**14000 J**	**2900 J**	480 R	**1000**	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 U	140 U	140 U	140 U	130 U	240 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**370000 D**	5400 U	**180000**	**760000 D**	5400 U	**54000**

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21C

Exceedance Summary
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	TP-J11-2188-09 8/3/2000 4 - 6 ft.	TP-J11-2188-10 8/3/2000 4 - 6 ft.	TP-L11-2089-06 8/2/2000 9 - 11 ft.
Energetics & Explosives								
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**3750**	711 R	892 R	**387**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**533 J**	768 R	**716 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	238 U	227 U	238 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**552000**	39800	**167000**	13000

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-21D

Exceedance Summary
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I11-8504-04 6/2/2000 0 - 1 ft.	SB-I11-8504-06 6/2/2000 0 - 0.5 ft.	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-J10-2187-05 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	6.7	16.3	**28.1**	**227**	**24.3**	10.3	**53.4**
COPPER	MG/KG	NA	600	600	58.7	486	110	31.7	112	13.1	54.1
LEAD	MG/KG	NA	400	600	**924**	**1030**	**465**	51	222	16.6	280
MERCURY	MG/KG	NA	14	270	0.72	2.2 J	1.09 J	0.422 J	0.23	0.05	0.21
THALLIUM	MG/KG	NA	2	2	1.3 U	**2.87**	1.29	**3.58**	**7.2**	**2**	**2.5**
ZINC	MG/KG	NA	1500	1500	705 J	**2120**	338	72.7	277 J	76 J	195 J

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ft. = Feet below ground surface

Table 5-21D

Exceedance Summary
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-8280-01 5/25/2000 0 - 1 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**22.1**	**20.6 N**	2.6 N	3.6 N	4.8 J	**20.8 N**	2.1 N
COPPER	MG/KG	NA	600	600	16.5	106 J	**1110 J**	458 J	70.5 J	72.5 J	153 J
LEAD	MG/KG	NA	400	600	40.6	261 J	**1920 J**	**1040 J**	**478 J**	**553 J**	**436 J**
MERCURY	MG/KG	NA	14	270	0.24	0.17 J	**20.6 J**	13.4 J	5.4 J	2 J	0.2 J
THALLIUM	MG/KG	NA	2	2	**2.1**	0.76 B	1 U	1.2 U	1.1 U	1.4 U	1.1 U
ZINC	MG/KG	NA	1500	1500	213 J	386	34.2	31.2	18.7	694	22.6

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Table 5-21D

Exceedance Summary
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2-05 5/25/2000 0 - 1.5 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.	SB-K10-3-02 5/16/2000 0 - 2 ft.	SB-K10-5-02 5/16/2000 0 - 1.5 ft.	SB-K10-5-04 5/16/2000 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	8.2	**35.2 J**	**24**	**81.9**	10.5	**36.5**	**92.4**
COPPER	MG/KG	NA	600	600	21.6	31.9 J	40.6	69.5	40.9	**780**	313
LEAD	MG/KG	NA	400	600	60.8	267	55.7 N*	83.5 N*	**3100 N***	18.9 N*	233 N*
MERCURY	MG/KG	NA	14	270	0.07	0.13	0.39	0.24	0.45	0.02 B	0.05
THALLIUM	MG/KG	NA	2	2	**2.3**	0.87 B	0.58 B	0.92 B	0.76 B	0.88 U	0.87 B
ZINC	MG/KG	NA	1500	1500	137 J	141 N	159 *E	245 *E	98.6 *E	35.7 *E	77.4 *E

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Table 5-21D

Exceedance Summary
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-1-04 5/18/2000 0 - 1 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-L10-2316-02 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L8-1-05 7/13/2000 0 - 1 ft.	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	9.5	**25.2**	**117**	**33.4**	**102 J**	9.9 J	5.87
COPPER	MG/KG	NA	600	600	33.3	80.9	34.7 J	16.6	79.2	36.9 J	13
LEAD	MG/KG	NA	400	600	**412**	165	44.9	24.3	20.7	**6530 J**	**443**
MERCURY	MG/KG	NA	14	270	0.15	0.37	0.07	0.03 B	0.057 J	3.1 J	0.177
THALLIUM	MG/KG	NA	2	2	1.2	1.4 U	1 U	1.2 U	1.08 UJ	0.67 B	1.055 U
ZINC	MG/KG	NA	1500	1500	310	466	44.4	241 J	62.6	290 J	49.6

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Table 5-21D

Exceedance Summary
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-2315-02 5/18/2000 0 - 1.5 ft.	SB-M10-6-02 5/18/2000 0 - 2 ft.	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M9-2191-05 5/18/2000 0 - 1.25 ft.
Metals, Total									
ARSENIC	MG/KG	NA	20	20	4.5 J	4.3 J	13.4	7 N	5.6 J
COPPER	MG/KG	NA	600	600	**1120 J**	13.3 J	19.8	88.4 N	**3600 J**
LEAD	MG/KG	NA	400	600	155	**459**	**490**	**822**	**1510**
MERCURY	MG/KG	NA	14	270	0.15	0.39	0.29	0.44	0.11
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	1.401 U	1.1 U	2.2 U
ZINC	MG/KG	NA	1500	1500	643 N	105 J	119	953	161 N

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Table 5-22A

Exceedance Summary
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2222-01 3/30/2000 0.5 - 1.0 ft.	SB-G8-3-02 7/14/2000 0.5 - 1.0 ft.
Volatile Organic Compounds						
ACRYLONITRILE	UG/KG	1000	1000	5000	580 UJ	**1370 J**
BENZENE	UG/KG	1000	3000	13000	**8000**	568 UJ

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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.	SB-E9-610-04 3/17/2000 0 - 1 ft.	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2145-04 3/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**252 J**	**3970 J**	**9530 *D**	**1845 J**	4000 U	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1500**	420 U	390 U	390 U	**1200 J**	**2900**
BENZO(a)PYRENE	UG/KG	100000	660	660	**1500**	420 U	390 U	390 U	**930 J**	**2500**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2300**	420 U	390 U	390 U	**1200 J**	**2800**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	730	420 U	390 U	390 U	4000 U	**1000**
CHRYSENE	UG/KG	500000	9000	40000	1700	420 U	390 U	390 U	1200 J	2700
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	250 J	420 U	390 U	390 U	4000 U	480
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1000**	420 U	390 U	390 U	4000 U	**1200**
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	420 U	390 U	390 U	4000 U	430 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-3-07 6/16/2000 0 - 1 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.	SB-F8-2107-02 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4690 U	**480 J**	**64400**	400 U	**52300 J**	**260 J**	**410**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	853 J	4100 U	200 J	**3400**	3700 U	57 J	29 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**843 J**	4100 U	200 J	**2200 J**	3700 U	51 J	360 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1570 J**	4100 U	340 J	**3200 J**	3700 U	84 J	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4690 U	4100 U	150 J	**1200 J**	3700 U	410 U	360 U
CHRYSENE	UG/KG	500000	9000	40000	1170 J	4100 U	210 J	4400	3700 U	52 J	360 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4690 U	4100 U	390 UJ	480 J	3700 U	410 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4690 U	4100 U	390 UJ	**1400 J**	3700 U	410 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4690 U	4100 U	390 U	400 U	3700 U	410 U	360 U

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2118-10 3/23/2000 0 - 1 ft.	SB-F8-2152-02 3/23/2000 0 - 0.5 ft.	SB-F8-563D-02 3/23/2000 0 - 0.5 ft.	SB-F8-573-02 7/14/2000 0 - 1 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.	SB-F9-1-01 6/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**110 J**	**83 J**	**41 J**	378 U	**390 J**	**69300 #D**	**270 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	33 J	360 U	**1700**	60.1 J	390 UJ	95 J	146 J
BENZO(a)PYRENE	UG/KG	100000	660	660	34 J	26 J	**1400**	45.4 J	390 UJ	96 J	162 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 U	360 U	**1600**	378 U	390 UJ	380 UJ	203 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	360 U	570	378 U	390 UJ	180 J	374 U
CHRYSENE	UG/KG	500000	9000	40000	360 U	360 U	1400	378 U	390 UJ	74 J	129 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	360 U	200 J	378 U	390 UJ	380 UJ	374 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	360 U	660	378 U	390 UJ	380 UJ	74.82 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	360 U	430 U	**1500**	390 UJ	380 U	374 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.	SB-F9-2105A-01 12/21/1999 0 - 1 ft.	SB-F9-2105A-04 4/18/2000 0 - 1 ft.	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**220 J**	**240 J**	**1557 J**	**160 J**	**370 J**	**115300 *D**	**976 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	77 J	64 J	44 J	130 J	3700 U	**1100 J**	3603 UJ
BENZO(a)PYRENE	UG/KG	100000	660	660	98 J	79 J	37 J	180 J	3700 U	**1000 J**	3603 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	220 J	170 J	390 U	400 J	3700 U	**1700 J**	3603 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	420 UJ	390 U	100 J	3700 U	3900 U	3603 UJ
CHRYSENE	UG/KG	500000	9000	40000	120 J	76 J	40 J	170 J	3700 U	1000 J	3603 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	420 UJ	390 U	390 UJ	3700 UJ	3900 UJ	3603 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	420 UJ	390 U	75 J	3700 UJ	3900 UJ	3603 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	420 UJ	390 U	390 UJ	3700 U	3900 UJ	3603 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.	SB-F9-2109D-03 12/21/1999 0 - 1 ft.	SB-F9-2251-01 6/29/2000 0 - 1 ft.	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-611-02 3/16/2000 0 - 0.5 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**699 J**	**40500 J**	**61 J**	**250 J**	**460 J**	**50 J**	**1143 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3603 UJ	3900 U	43 J	297 J	69 J	100 J	36 J
BENZO(a)PYRENE	UG/KG	100000	660	660	3603 UJ	3900 U	52 J	242 J	390 UJ	94 J	26 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3603 UJ	3900 U	110 J	423	190 J	130 J	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3603 UJ	3900 U	400 UJ	196 J	98 J	400 U	410 U
CHRYSENE	UG/KG	500000	9000	40000	3603 U	3900 U	57 J	338 J	83 J	92 J	52 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3603 UJ	3900 U	400 UJ	408 U	390 UJ	400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3603 UJ	3900 U	400 UJ	208 J	390 UJ	400 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3603 U	3900 U	400 UJ	128 J	390 UJ	400 U	410 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-8-05 3/17/2000 0 - 1 ft.	SB-F9-9-01 3/17/2000 0 - 0.5 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.	SB-F9-C1-04 12/21/1999 0 - 1.3 ft.	SB-G7-1-01 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**410 J**	**3498 J**	**713 J**	**250 J**	**120 J**	**69 J**	**240 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 U	58 J	**2400**	120 J	61 J	220 J	36 J
BENZO(a)PYRENE	UG/KG	100000	660	660	430 U	47 J	**2200**	110 J	69 J	200 J	430 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	430 U	65 J	**3100**	140 J	120 J	300 J	430 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	400 U	**1100**	410 U	380 UJ	120 J	430 UJ
CHRYSENE	UG/KG	500000	9000	40000	430 U	48 J	2700	120 J	63 J	210 J	430 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	400 U	280 J	410 U	380 UJ	380 UJ	430 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	400 U	**1000**	410 U	380 UJ	380 UJ	430 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	400 U	420 U	410 U	380 UJ	380 U	430 UJ

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**1000 J**	**150 J**	**540 J**	**130 J**	**600 J**	**1015 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	43 J	440 UJ	110 J	130 J	250 J	370 UJ
BENZO(a)PYRENE	UG/KG	100000	660	660	500 UJ	440 UJ	120 J	95 J	250 J	370 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	500 UJ	440 UJ	380 J	150 J	**1800 J**	59 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	500 UJ	440 UJ	120 J	410 UJ	530 J	370 UJ
CHRYSENE	UG/KG	500000	9000	40000	500 UJ	440 UJ	190 J	120 J	350 J	370 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	500 UJ	440 UJ	420 UJ	410 UJ	400 UJ	370 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	500 UJ	440 UJ	420 UJ	410 UJ	340 J	370 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	500 UJ	440 UJ	420 UJ	410 UJ	400 UJ	370 UJ

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-3-03 12/17/1999 0 - 1 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**840 J**	**43 J**	**120 J**	**2270 J**	**9320 J**	**150 J**	**84 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 UJ	380 UJ	42 J	170 J	**3000 J**	**19000**	84 J
BENZO(a)PYRENE	UG/KG	100000	660	660	430 UJ	380 UJ	390 UJ	120 J	**2700 J**	**14000**	71 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	160 J	63 J	390 UJ	340 J	**5700 J**	**19000**	120 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 UJ	380 UJ	390 UJ	110 J	**2200 J**	**6100**	390 U
CHRYSENE	UG/KG	500000	9000	40000	140 J	380 UJ	87 J	290 J	2400 J	**16000**	78 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 UJ	380 UJ	390 UJ	430 U	400 UJ	**1600**	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 UJ	380 UJ	390 UJ	430 U	**1100 J**	**5600**	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 UJ	380 UJ	390 UJ	430 U	400 UJ	400 U	390 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22B

Exceedance Summary
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-9322-02 4/7/2000 0 - 1.5 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.	SB-G9-A11-02 12/21/1999 0 - 0.8 ft.	TP-F10-PA8 7/25/2000 5.5 - 7.5 ft.	TP-F9-2105-07 8/1/2000 4 - 6 ft.
Semi-Volatile Organic Compounds									
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**73 J**	**153 J**	**140 J**	**59 J**	**384 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 J	280 J	370 UJ	52.8 J	145 J
BENZO(a)PYRENE	UG/KG	100000	660	660	320 J	250 J	20 J	53.9 J	141 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	790	700	370 UJ	388 U	177 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	210 J	210 J	370 UJ	388 U	81.6 J
CHRYSENE	UG/KG	500000	9000	40000	490	480	370 UJ	55.5 J	140 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	400 U	370 UJ	388 U	402 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	180 J	400 U	370 UJ	388 U	84 J
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	400 U	370 UJ	388 UJ	402 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E9-2-03 3/24/2000 0 - 1 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.	SB-E9-2296-04 3/21/2000 0 - 2 ft.	SB-E9-2296-05 3/21/2000 0 - 1 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	2400 U	250 U	250 U	238.1 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	**350 J**	2400 U	**636**	**1048**	1270 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**200 J**	**4100 J**	250 U	**42000 J**	250 U	250 U	238.1 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**220000**	4000 J	26000	5800 U	**56000**	**170000**	**175000**

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-610-04 3/17/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.	SB-F10-2145-01 3/23/2000 0 - 1 ft.	SB-F10-2323-02 3/17/2000 0 - 1 ft.	SB-F10-3-07 6/16/2000 0 - 1 ft.	SB-F10-8237-04 3/17/2000 0 - 1 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 U	238 U	250 U	250 U	250 U	250 UJ
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	220 U	238 U	**1100**	**170 J**	**106 J**	250 UJ
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**11000 J**	**539 J**	250 U	250 U	**7160**	250 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	**47000**	9000	8400	6400 U	14100	**57000**

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-2016-01 3/24/2000 0 - 1.5 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.	SB-F11-2016-07 3/24/2000 0 - 2 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-03 3/16/2000 0 - 0.5 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	250 U	230 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**1200 J**	**220 J**	420 R	4500 R	3600 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	250 U	**590 J**	**370 J**	**570 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	**160000**	**130000**	24000	**100000**	**600000 D**	**760000 J**

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Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2116-07 3/16/2000 0 - 1 ft.	SB-F8-2117-08 3/24/2000 0 - 1.5 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2118-10 3/23/2000 0 - 1 ft.	SB-F8-2144-04 3/21/2000 0 - 1.5 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	240 U	220 U	227 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	710 R	3100 R	280 R	220 U	**1562 J**	250 U	250 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	**580**	**130 J**	227 U	**182 J**	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**220000 J**	**180000**	33000	11000	**210000**	**556200 D**	**61000**

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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F9-1-01 6/23/2000 0 - 1 ft.	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105A-04 4/18/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	238.1 U	250 UJ	250 U	250 U	250 UJ	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	710 R	226 R	250 UJ	**838**	550 R	**11000 J**	**470 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	**117 J**	**370**	**735**	**1600 J**	250 UJ	**2500 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	**110000**	35100	17000	**52208**	42000	**140000 J**	29000

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2105B-01 3/23/2000 0 - 1 ft.	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-01 7/12/2000 0 - 1 ft.	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	**658 J**	238.1 U	208 U	217.4 U	217 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**3628160 !D**	**794**	**3320 J**	1170 R	**1676**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**140 J**	250 U	**533**	**2270 J**	**707 J**	**1376 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	5800 U	**480000 D**	**47600**	**537000**	**149000**	**48000**

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109C-05 3/21/2000 0 - 0.5 ft.	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.	SB-F9-8188-01 12/21/1999 0 - 1 ft.	SB-F9-9-01 3/17/2000 0 - 0.5 ft.	SB-F9-9-05 3/17/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	208 U	250 U	250 U	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	208 U	**1117 J**	250 U	**951 J**	250 U	250 U	**160 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	208 U	**151 J**	**200 J**	**208 J**	**140 J**	**220 J**	**1600 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	**59000**	**183465**	25000	**131692**	5800 U	6900 U	6200 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-58-04 7/13/2000 0 - 0.75 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.
Energetics & Explosives										
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**4657 J**	**14175 J**	**13727 J**	250 U	**435**	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**1338 J**	**3570 J**	**4934 J**	**628**	250 U	238 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**232903**	**1320000 D**	**1670000 D**	5985	8830	**88800**

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.	SB-G8-2249-01 12/17/1999 0 - 1 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.	TP-E9-2296-09 8/10/2000 7.5 - 9.5 ft.	TP-F10-PA8 7/25/2000 5.5 - 7.5 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	238.1 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	250 U	238.1 U	1190 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**1268 J**	**1037 J**	250 U	**220 J**	**276.6 J**	250 U	**299 J**
NITROGLYCERIN	UG/KG	NA	46000	200000	40195	4200 J	**49400**	5900 U	4338.6 J	**431000 J**	5600 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22C

Exceedance Summary
A-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F9-2105-07 8/1/2000 4 - 6 ft.	TP-F9-PA4-01 8/1/2000 3.5 - 5.5 ft.	TP-F9-PA6-01 8/1/2000 5 - 7 ft.
Energetics & Explosives							
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	**161 J**	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	545 R	**126 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**239 J**	**1399000 J**	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	31800	28900	**53100**

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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2153-02 3/23/2000 0 - 1.5 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.	SB-E9-558B-03 3/23/2000 0 - 1.5 ft.	SB-E9-562-01 3/23/2000 0 - 1 ft.	SB-F10-11-01 3/24/2000 0 - 1.5 ft.	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	3.9 N	**24.5**	5.2	4.2	**22.3 N**	12.3 J	9 J
COPPER	MG/KG	NA	600	600	**636**	64	32.4 J	14.6 J	20.7	22.3 J	524 J
LEAD	MG/KG	NA	400	600	35.2	223 J	38.5	19.2	56.7	176 J	151 J
NICKEL	MG/KG	NA	250	2400	8.4	8.53	9.5	9.1	7.6	9.1 J	7.9 J
THALLIUM	MG/KG	NA	2	2	0.94 B	1.03 U	**2.1**	**2.7**	1.1 U	**2.7**	**2.2 J**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2323-05 3/17/2000 0 - 0.5 ft.	SB-F10-460-01 3/16/2000 0 - 1 ft.	SB-F10-7-03 3/23/2000 0 - 1.5 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2117-07 3/24/2000 0 - 1 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2144-03 3/21/2000 0 - 1.5 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**158 J**	5 N	5.6	**20.9 N**	**40.8 N**	**36.2 N**	6.1 J
COPPER	MG/KG	NA	600	600	120	17.4 J	10.3 J	**723 *N**	28.4	18.5	**878 J**
LEAD	MG/KG	NA	400	600	236 J	**3480**	19.1	256	31	16.8	156 J
NICKEL	MG/KG	NA	250	2400	13.4 J	7.6	3.2	17.2	8.1	5.9	12.1 J
THALLIUM	MG/KG	NA	2	2	2.3 U	2.4 U	**2.3**	2.3 U	1.2 U	0.76 B	2.5 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
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NS = No Standard
ft. = Feet below ground surface

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2150-02 3/16/2000 0 - 0.5 ft.	SB-F8-2150-05 3/16/2000 0 - 0.75 ft.	SB-F8-2207-03 3/23/2000 0 - 0.5 ft.	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105B-01 3/23/2000 0 - 1 ft.	SB-F9-2109D-02 12/21/1999 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**30 N**	**32.8 N**	3.7 N	**50.3 N**	4.4 J	7.9	**22.3 N**
COPPER	MG/KG	NA	600	600	100 J	372 J	75.3	53.7	**1190**	**3130 J**	114
LEAD	MG/KG	NA	400	600	193	**1330**	77.5	76.3	140 J	194	42.7
NICKEL	MG/KG	NA	250	2400	10.1	11.4	11.8	11	13.7 J	17.4	8.4
THALLIUM	MG/KG	NA	2	2	2.4 U	2.4 U	**2**	1.2	2.3 U	1.8	1.1 B

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-563-01 3/16/2000 0 - 0.67 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A5-01 3/23/2000 0 - 0.5 ft.	SB-G7-1-01 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**25 N**	8.4	9.8	**23.1 J**	**244**	**97.7**	**189**
COPPER	MG/KG	NA	600	600	32.4 J	441 J	58.9 J	27.7	115	452	376
LEAD	MG/KG	NA	400	600	**811**	219	255	24.1	**419**	**563**	**582**
NICKEL	MG/KG	NA	250	2400	11.3	14.9	12.8	10.9 J	13.9	12.3	10
THALLIUM	MG/KG	NA	2	2	2.2 U	**3.2**	**2.2**	0.94 U	2.5 U	1.5 U	1.3 U

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NS = No Standard
ft. = Feet below ground surface

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.	SB-G7-2149-04 12/21/1999 0 - 1 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2209-01 3/23/2000 0 - 1 ft.	SB-G8-2249-01 12/17/1999 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**383**	**378**	**162**	**266**	17 N	3.6	**34.6 N**
COPPER	MG/KG	NA	600	600	61.1	41.5	28.8	84.8	**4780 N**	20.6 J	59.8 N
LEAD	MG/KG	NA	400	600	218	192	302	229	90.8	32.1	**424**
NICKEL	MG/KG	NA	250	2400	9	9	9.9	16.4	19.3 J	11.9	9.6 J
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	0.78 B	0.65 B	6.1 U	**2.1**	1.3

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-22D

Exceedance Summary
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2108-02 12/21/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-7-11 3/24/2000 0 - 1 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.
Metals, Total										
ARSENIC	MG/KG	NA	20	20	12.8	**84.1**	**83.1 N**	**91.5 N**	**86.9 N**	**281 N**
COPPER	MG/KG	NA	600	600	114	80.5	47.7 N	67.7 N	24.5	42 J
LEAD	MG/KG	NA	400	600	187	79.6	92.8	153	93.4	174 J
NICKEL	MG/KG	NA	250	2400	**258**	6.3	5.6 J	9.6 J	9.1	8.3
THALLIUM	MG/KG	NA	2	2	1.6 B	1.1 U	1.1	1.1 U	1.1 U	1 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
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ft. = Feet below ground surface

Table 5-23A

Exceedance Summary
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2080-01 4/27/2000 0 - 1 ft.	SB-I7-15-04 7/19/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-3-03 4/20/2000 0 - 1.5 ft.	SB-I7-8181-04 7/21/2000 0 - 1.5 ft.	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**49 J**	**275 J**	**95 J**	**6530 J**	**9250 *D**	**39 J**	**430**	**913 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	39 J	**1410**	150 J	420 U	400 U	460 U	381 U	34 J
BENZO(a)PYRENE	UG/KG	100000	660	660	43 J	**1350**	130 J	420 U	24 J	460 U	381 U	28 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	**1980**	210 J	420 U	400 U	460 U	381 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	746	400 U	420 U	400 U	460 U	381 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	751	400 U	420 U	400 U	460 U	381 U	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23A

Exceedance Summary
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-8236-01 4/25/2000 0 - 1.25 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.	SB-I9-2-01 4/20/2000 0 - 1 ft.	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**320 J**	**55 J**	**85 J**	**43 J**	**718 J**	**160 J**	**146 J**	**250 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 J	390 UJ	41 J	110 J	120 J	43 J	372 U	79 J
BENZO(a)PYRENE	UG/KG	100000	660	660	290 J	390 UJ	43 J	96 J	130 J	49 J	372 U	68 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	690	390 UJ	410 U	200 J	340 J	98 J	372 U	210 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	190 J	390 UJ	410 U	450 U	410 UJ	410 U	372 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	150 J	390 UJ	410 U	450 U	100 J	410 U	372 U	350 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23A

Exceedance Summary
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-587B-02 4/28/2000 0 - 2 ft.	SB-J6-2340-02 4/27/2000 0 - 1.5 ft.	SB-J7-2-03 4/27/2000 0 - 1.5 ft.	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2246-01 4/27/2000 0 - 2 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	410 U	**34890 J**	**3600 J**	**6730 J**	**56 J**	**220 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**3200**	**1300**	580	190 J	290 J	390 U	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**2300**	**880**	600	140 J	220 J	390 U	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4600**	**1100**	**1400**	290 J	500	390 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1100**	520	500	89 J	180 J	390 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1100**	400 J	590	89 J	120 J	390 U	380 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23A

Exceedance Summary
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2324-06 4/27/2000 0 - 2 ft.	SB-J7-8281-01 7/20/2000 0 - 0.5 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-3-03 4/28/2000 0 - 0.75 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**873 J**	**264 J**	**547 J**	**317 J**	**170 J**	**490 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	84 J	66.7 J	210 J	82 J	240 J	100 J
BENZO(a)PYRENE	UG/KG	100000	660	660	93 J	69 J	190 J	100 J	270 J	90 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	140 J	159 J	260 J	190 J	610	190 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	448 U	120 J	360 U	130 J	490 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	448 U	120 J	360 U	220 J	490 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23B

Exceedance Summary
Finishing Area - Explosive and Energetic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2079-05 7/20/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-566-02 4/20/2000 0 - 1.5 ft.	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**1010**	250 R	**1100 J**	1200 R	250 U	390 R	**600**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	217 U	**260 J**	250 U	**18000 J**	**42000 J**	**150 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	176 R	250 U	250 U	250 U	250 U	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	22000	21000	10000	6300 U	28000	42000	**87000**

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23B

Exceedance Summary
Finishing Area - Explosive and Energetic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2170-05 4/20/2000 0 - 1 ft.	SB-I8-2328-02 4/20/2000 0 - 2 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-2405-06 4/20/2000 0 - 2 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.	SB-I9-2311-01 4/28/2000 0 - 1.5 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1900 R	250 U	460 R	**3300 J**	250 U	**1400 J**	920 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**330 J**	250 U	240 U	250 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	250 U	240 U	250 U	**1221.1 J**	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**180000**	**73000**	**67000**	**480000 D**	27000	**200000**	**190000**

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* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23B

Exceedance Summary
Finishing Area - Explosive and Energetic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.	SB-J7-2-03 4/27/2000 0 - 1.5 ft.	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.
Energetics & Explosives											
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	**119 J**	**3000**	**730 J**	**7000 J**	6100 R	180 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**200 J**	**234 J**	**2100 J**	**41000 J**	**9100 J**	**14000 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	238 U	250 U	250 U	240 U	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	8300	23400	12000	**120000**	**570000 D**	**1000000 D**	**110000**

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23B

Exceedance Summary
Finishing Area - Explosive and Energetic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-241-04 7/20/2000 0 - 1.25 ft.	SB-J7-241-05 4/27/2000 0 - 1 ft.	SB-J8-2354-02 4/20/2000 0 - 1.5 ft.	SB-J9-2111-04 7/20/2000 0 - 1 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
Energetics & Explosives									
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**154 J**	250 U	3433.2 R	280 R	130 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**985**	**340 J**	250 U	**288 J**	**500 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	250 U	250 U	200 U	240 U
NITROGLYCERIN	UG/KG	NA	46000	200000	41300	5900 U	**810000 D**	42700	11000

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-23C

Exceedance Summary
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2-02 4/27/2000 0 - 2 ft.	SB-I10-3-02 4/27/2000 0 - 1 ft.	SB-I10-550-02 4/27/2000 0 - 1 ft.	SB-I10-552-04 4/27/2000 0 - 0.5 ft.	SB-I10-E50-01 7/20/2000 0 - 1 ft.	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.	SB-I7-5-03 4/28/2000 0 - 1.25 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	**17 J**	0.61 UJ	1.3 J	0.7 UJ	0.536 U	0.69 UJ	1.4 UJ	5.1 N
ARSENIC	MG/KG	NA	20	20	5.4 J	4.9 J	14.6	**21.9 J**	**25.5**	6.4	12.1	**562**
COPPER	MG/KG	NA	600	600	61.8	**8590**	202	17.1	9.66	18.5 N	33.6	40.9 N
LEAD	MG/KG	NA	400	600	**5700**	53.3	**803 J**	129	11.2	57.6 J	64 J	67.5
MERCURY	MG/KG	NA	14	270	0.14 J	0.07 N	0.54 N	0.16 N	0.059	**15.2 N**	0.14 N	0.12
SELENIUM	MG/KG	NA	63	3100	0.83 N	0.51 UN	**803**	1.7 N	0.787 U	0.86 N	**64**	0.47 B
ZINC	MG/KG	NA	1500	1500	1000 E	131 E	**1660 J**	78 E	40.2	113	566 J	66

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-23C

Exceedance Summary
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-566A-01 7/13/2000 0 - 2 ft.	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2333-02 4/20/2000 0 - 1 ft.	SB-I8-588E-03 4/20/2000 0 - 1 ft.	SB-I8-588E-06 4/20/2000 0 - 1 ft.	SB-I9-519-03 7/19/2000 0 - 0.5 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.737 U	0.3 UJ	0.54 UJ	**20.5 N**	1.3 N	5.1 N	0.678 UJ	0.54 J
ARSENIC	MG/KG	NA	20	20	**62.6 J**	**34.8**	**265**	6 *N	8.1 *N	6.8 *N	6.96	**240 J**
COPPER	MG/KG	NA	600	600	17.7	16.8 N	48 N	39 *	158 *	70 *	37.2	8.6
LEAD	MG/KG	NA	400	600	122	11.3 J	67.3 J	17.7 *	**3520 ***	**6080 ***	**1370**	48.6
MERCURY	MG/KG	NA	14	270	0.166 J	0.05 N	0.27 N	0.07 N	13.4 N	0.2 N	0.135	0.04 N
SELENIUM	MG/KG	NA	63	3100	1.76	0.64 UN	1.2 N	0.61 U	1.2	0.94	1.4	0.59 N
ZINC	MG/KG	NA	1500	1500	78.9	45.7	201	61.2	271	72.5	243	25.6 E

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-23C

Exceedance Summary
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2324-06 4/27/2000 0 - 2 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-2142-05 4/25/2000 0 - 1.5 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.5 J	1 J	0.71 UJ	0.65 UJ	0.4 J	0.69 UJ	0.8 J
ARSENIC	MG/KG	NA	20	20	**33.3**	**28.3**	**38.3**	**29.6 N**	**54.3 N**	5.4 N	**26.6**
COPPER	MG/KG	NA	600	600	118	107	42.4	**1690**	36.2	**1200**	61 J
LEAD	MG/KG	NA	400	600	**1950 J**	**1570 J**	**744 J**	65.2	99	96.7	81.6
MERCURY	MG/KG	NA	14	270	4.8 N	1.8 N	0.82 N	0.2 N	0.51 N	0.15 N	0.16
SELENIUM	MG/KG	NA	63	3100	0.88	1.2	0.87	1.2 N	0.92 N	0.86 N	0.96
ZINC	MG/KG	NA	1500	1500	235 J	163 J	164 J	444	156	105	56.6

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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-24A

Exceedance Summary
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	420 U	**3783 J**	420 U	400 U	**165 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	537	**1550**	**6290**	**1740**	**1770**	169 J
BENZO(a)PYRENE	UG/KG	100000	660	660	554	**1250 J**	**4620**	**2380**	**1970**	147 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**966**	**1610 J**	**7840**	**3390**	**3160**	292 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	264 J	**927 J**	**3000**	**1190**	**1080**	129 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	420 UJ	**728 J**	420 U	400 U	377 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	254 J	559 J	**2050**	**1000**	**963**	91.9 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-24A

Exceedance Summary
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**110 J**	**662 J**	1870 U	**240 J**	387 U	**798.8 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 J	**980**	**940 JD**	183 J	**6340**	287 J
BENZO(a)PYRENE	UG/KG	100000	660	660	339 J	**792**	**808 JD**	142 J	**4110**	263 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	827	**2400**	**1440 JD**	309 J	**5370**	388
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	282 J	469	524 JD	109 J	**2220**	136 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	105 J	178 J	1870 U	358 U	649	355 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	290 J	490	560 JD	121 J	**2050**	177 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-24A

Exceedance Summary
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds							
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**104 J**	**82.5 J**	369 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	109 J	120 J	**1130**
BENZO(a)PYRENE	UG/KG	100000	660	660	84.6 J	91.8 J	**948**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	151 J	172 J	**1200**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	381 U	83.6 J	467
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	381 U	360 U	187 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	381 U	69.5 J	515

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-24B

Exceedance Summary
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.
Energetics & Explosives						
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**641**	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	166000 E	**1030 J**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-24C

Exceedance Summary
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	9.54	9.23	**199**	**76.5**	10.3	**28.5**	**84**
COPPER	MG/KG	NA	600	600	55.8	**694**	**679**	16.1	86.9	155	59.6
LEAD	MG/KG	NA	400	600	**516**	**1060**	**2630**	103	**5350**	**646**	313
THALLIUM	MG/KG	NA	2	2	1.18 U	1.23 U	**2.49**	0.92 B	1.13 U	1.12 U	1.51
ZINC	MG/KG	NA	1500	1500	159	**2060**	1060	104 J	726	338	285

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-24C

Exceedance Summary
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.
Metals, Total											
ARSENIC	MG/KG	NA	20	20	**81.9**	**29.1**	**27**	8.8 J	**390**	**49.8**	**59.7**
COPPER	MG/KG	NA	600	600	46	33.7	28.5	**1500**	15.2	190	33.7 H
LEAD	MG/KG	NA	400	600	51.4	138	71.1 J	**5020 J**	11.7	**1030**	54.7 H
THALLIUM	MG/KG	NA	2	2	0.784 J	10.9 U	0.72 J	**4.7**	0.881 J	0.745 J	1.01 U
ZINC	MG/KG	NA	1500	1500	107	**5320**	77	**1770**	46.1	431	38.5 H

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-24C

Exceedance Summary
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-9110-03 5/31/2000 0 - 1 ft.
Metals, Total								
ARSENIC	MG/KG	NA	20	20	14.3	**20.8**	5.48	9.6
COPPER	MG/KG	NA	600	600	114	105	471	57.2
LEAD	MG/KG	NA	400	600	**73600**	226	**713**	241 J
THALLIUM	MG/KG	NA	2	2	**2.82**	0.655 J	1.16 U	**2.3**
ZINC	MG/KG	NA	1500	1500	429	70.1	140	80

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-25A

Exceedance Summary
Storage Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-9122-03 5/26/2000 0.5 - 1.0 ft.
Volatile Organic Compounds					
BENZENE	UG/KG	1000	3000	13000	**3240**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-25B

Exceedance Summary
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8278-03 5/4/2000 0 - 1.5 ft.	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-I11-9301-05 5/9/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**88.7 J**	**84 J**	**46 J**	2000 U	2100 U	4100 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	270 J	527	540	**950**	**12000 D**	**14000 D**	**9100 D**
BENZO(a)PYRENE	UG/KG	100000	660	660	380 J	555	440	**750**	**9100 D**	**13000 D**	**7400 D**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1200**	**1220**	810	**2300**	**22000 D**	**32000 D**	**20000 D**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 J	266 J	310 J	630	**6900 D**	**11000 D**	**7100 D**
CHRYSENE	UG/KG	500000	9000	40000	330 J	608	670	1700	**14000 D**	**18000 D**	**15000 D**
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	210 J	132 J	110 J	190 J	**1900 JD**	**3900 D**	**1500 JD**
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	760	433	310 J	590	**5700 D**	**9500 D**	**4700 D**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25B

Exceedance Summary
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-2033-01 5/5/2000 0 - 1 ft.	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-393-05 4/28/2000 0 - 0.5 ft.	SB-K8-9207-04 7/25/2000 0 - 1.5 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-05 5/11/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**110 J**	**264000 J**	**859 J**	**64 J**	**421 J**	**970 J**	**1900 J**
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	200 J	**2800 J**	38 J	160 J	438	830 J	4800 U
BENZO(a)PYRENE	UG/KG	100000	660	660	200 J	**4500 J**	38 J	140 J	361 J	**1900 J**	4800 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460	**15000 J**	97 J	350 J	457	5200 U	4800 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	170 J	**4300 J**	420 U	600 UJ	171 J	5200 U	4800 U
CHRYSENE	UG/KG	500000	9000	40000	430	4600 J	65 J	210 J	360 J	1700 J	4800 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	**1800 J**	420 U	600 UJ	387 U	**1900 J**	4800 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	150 J	**3000 J**	420 U	110 J	212 J	**2100 J**	4800 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25B

Exceedance Summary
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.	SB-N5-582-02 5/12/2000 0 - 1.5 ft.	SB-N6-640-03 5/12/2000 0 - 1 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-13 5/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**430**	**2500**	4400 U	400 U	**400 J**	450 U	830 U	460 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420	210 J	**1700 J**	**1500**	**4200**	600	**4100**	**1400**
BENZO(a)PYRENE	UG/KG	100000	660	660	300 J	260 J	**1400 J**	**1500**	**2600 J**	**660 J**	**1800**	**1000**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	850	550	**2300 J**	**3200**	**5400 J**	**1300 J**	**4900**	**3500**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	310 J	530 U	**1200 J**	**1200**	**2500 J**	540 J	**2000**	**1100**
CHRYSENE	UG/KG	500000	9000	40000	690	320 J	2300 J	2100	3900	700	3700	2000
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	530 U	4400 U	300 J	490 J	180 J	340 J	200 J
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	170 J	210 J	**910 J**	820	**1300 J**	470 J	**930**	550

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25B

Exceedance Summary
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-2-17 5/2/2000 0 - 1 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.	SB-O8-3-09 5/4/2000 0 - 1.25 ft.	SB-O8-3-18 5/4/2000 0 - 1 ft.	SB-P6-9225-03 5/4/2000 0 - 1 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.	SB-R5-1-01 5/4/2000 0 - 1.25 ft.	SB-S7-1-01 7/27/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	690 U	**120 J**	**59 J**	430 U	**920**	390 U	**28 J**	4160 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**2200**	260 J	490	780	410 U	**2100**	370 U	**5850**
BENZO(a)PYRENE	UG/KG	100000	660	660	**2400**	210 J	400	**710**	410 U	**1600**	370 UJ	**4080 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4200**	530 J	570	700	410 U	**3300**	370 UJ	**6220**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1800**	180 J	190 J	620	410 U	**1400**	370 UJ	**2330 J**
CHRYSENE	UG/KG	500000	9000	40000	2600	330 J	470	940	410 U	2300	370 U	5190
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	610 J	420 UJ	380 U	150 J	410 U	370 J	370 UJ	**914 J**
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1900**	180 J	160 J	430 J	410 U	**1100**	370 UJ	**2470 J**

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25C

Exceedance Summary
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-J8-9220-02 5/9/2000 0 - 1.5 ft.	SB-K7-2125-05 4/28/2000 0 - 2 ft.	SB-K7-2126-03 4/28/2000 0 - 2 ft.	SB-K7-2132-05 4/28/2000 0 - 2 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-393-01 7/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	250 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	250 U	**130 J**	4400 R	250 U	**690**	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**500000 J**	**12000**	250 U	**19000 J**	**18000 J**	**940 J**	**259 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	250 U	240 U	250 U	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5200 U	22000	3400 J	**650000 D**	5200 U	10000	4960 UJ

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25C

Exceedance Summary
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-393-05 4/28/2000 0 - 0.5 ft.	SB-K8-9207-04 7/25/2000 0 - 1.5 ft.	SB-K9-9203-07 5/4/2000 0 - 0.5 ft.	SB-L6-2128-05 4/28/2000 0 - 1 ft.	SB-L6-2129-05 5/2/2000 0 - 1.5 ft.	SB-L7-2130-01 5/11/2000 0 - 2 ft.	SB-L7-2130-06 5/11/2000 0 - 1 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	230 U	250 U	250 U	136.9 U	140 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	**4140**	290 R	1500 R	740 R	**2273**	140 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**230 J**	**216 J**	230 U	**130 J**	**260 J**	136.9 U	**2400**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	**844 J**	230 U	250 U	250 U	136.9 U	140 U
NITROGLYCERIN	UG/KG	NA	46000	200000	8500 U	13900 J	**63000**	**160000**	**210000 J**	**640000 D**	9600

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25C

Exceedance Summary
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L7-2131-04 5/2/2000 0 - 1 ft.	SB-L7-2131-05 5/2/2000 0 - 1.5 ft.	SB-M7-1-05 5/23/2000 0 - 1 ft.	SB-N7-572-01 5/5/2000 0 - 2 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.	SB-N7-9222-06 5/5/2000 0 - 2 ft.	SB-O5-579-01 7/25/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	**260**	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	3700 R	430 R	250 U	240 U	250 U	**390**	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**7300 J**	250 U	250 U	240 U	**240 J**	250 U	**3200 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	250 U	240 U	250 U	250 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	**1200000 D**	**110000**	6700 U	**62000**	6300 U	**110000**	8810 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25C

Exceedance Summary
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O6-9223-07 5/9/2000 0 - 1.5 ft.	SB-O6-9224-03 5/9/2000 0 - 1 ft.	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-392-02 5/2/2000 0 - 2 ft.	SB-P5-535-04 5/11/2000 0 - 1 ft.	SB-P7-9209-06 5/10/2000 0 - 1.25 ft.	SB-Q6-8-05 7/26/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	220 U	240 U	250 U	175.8 U	141.6 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**1300**	**300**	**310 J**	250 U	**967.4 J**	141.6 U	**501 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**650**	220 U	240 U	**1700 J**	175.8 U	**91 J**	250 UJ
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	220 U	240 U	250 U	175.8 U	141.6 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	**70000**	4000 J	6200 U	7000 U	4100 J	43900

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-25D

Exceedance Summary
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.	SB-J10-2033-01 5/5/2000 0 - 1 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.986 U	2	2.4	1.8	5.5	1.5	0.63 BN
ARSENIC	MG/KG	NA	20	20	**20.7**	**180 N**	**154 N**	**53.9 N**	**420 N**	**47.5 N**	**248**
COPPER	MG/KG	NA	600	600	33.7	32.7 N	213 N	63.2 N	53.6 N	73.5 N	45.1 N
LEAD	MG/KG	NA	400	600	92.2	39.3	99.2	92.6	72	**524**	233
MERCURY	MG/KG	NA	14	270	4.13	0.22	0.13	0.19	0.21	1.5	0.33
NICKEL	MG/KG	NA	250	2400	13.3 J	11.6	15.6	11.8	8.9	9.2	11.5
SELENIUM	MG/KG	NA	63	3100	3.2	1.3 N	0.91 N	2.4 N	1.4 N	2.2 N	0.63 U
SILVER	MG/KG	NA	110	4100	0.493 U	0.34 U	0.18 B	0.14 B	0.12 B	0.15 B	0.38 U
THALLIUM	MG/KG	NA	2	2	1.64 U	1.1 UN	1.1 UN	1.2 UN	1.1 UN	1.1 UN	0.79 B
ZINC	MG/KG	NA	1500	1500	131 J	40.9	1240	49.1	28	234	92.6

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-25D

Exceedance Summary
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-9212-07 5/9/2000 0 - 1.5 ft.	SB-M6-1-06 5/5/2000 0 - 1 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-04 5/11/2000 0 - 2 ft.	SB-M7-2-05 5/11/2000 0 - 1 ft.	SB-M7-2-15 5/11/2000 0 - 2 ft.	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	6.6 UN	1.1 N	3.1 N	0.67 UJ	**19.9 N**	4.1 N	8.4 N	12.5 N
ARSENIC	MG/KG	NA	20	20	**28.6 N**	**161**	**20.8**	**28.6**	**72.5**	**417**	**100**	**43.7**
COPPER	MG/KG	NA	600	600	6.6	50.6	**636 N**	42.5 J	**9520 N**	34.3 N	58.2 N	**701 N**
LEAD	MG/KG	NA	400	600	24.1	53.5	**806**	36.9	**1980**	44.2	280	**1790**
MERCURY	MG/KG	NA	14	270	0.27	0.15	2.7	0.09	0.5	0.14	0.5	2.2
NICKEL	MG/KG	NA	250	2400	5 B	17.5	136	18.5	**1380**	11.8	15.1	47.4
SELENIUM	MG/KG	NA	63	3100	4.2 BN	1.3 N	1.4	1.5	6.6 U	1.3	1.9	1.6
SILVER	MG/KG	NA	110	4100	3.3 U	0.32 U	0.59	0.34 U	2.1 B	0.12 B	0.25 B	0.54
THALLIUM	MG/KG	NA	2	2	11 U	1.1 UN	1.5 U	1.1 U	13.3 U	1.2 U	1.2 U	1.5 U
ZINC	MG/KG	NA	1500	1500	24.3	52.9 J	**1720**	24.9	**1940**	63.5	81.8	1040

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Table 5-25D

Exceedance Summary
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N6-640-03 5/12/2000 0 - 1 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-17 5/2/2000 0 - 1 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.	SB-O7-1-03 7/19/2000 0 - 2 ft.	SB-O7-396-03 7/26/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1 N	4.3 U	7.6 B	1.5	3.9	0.5 J	0.525 UJ	0.532 J
ARSENIC	MG/KG	NA	20	20	**223 J**	**81.6 J**	**108 J**	**34.8 J**	16.9 J	**32.7**	12.7	**107**
COPPER	MG/KG	NA	600	600	35.3 J	62.1 J	180 J	40.9 J	69.9 J	58.5 J	93.9	13.9
LEAD	MG/KG	NA	400	600	127 J	210 J	**942 J**	95.5 J	**629 J**	274	**1920**	52.6
MERCURY	MG/KG	NA	14	270	0.36 J	0.23	0.23	0.26	0.37	0.42 J	0.125	0.121 J
NICKEL	MG/KG	NA	250	2400	17.1 J	29.9	157	24.2	11.7	16.5 J	15.6	7.39
SELENIUM	MG/KG	NA	63	3100	0.57 N	3.5 BN	5.1 BN	2.5 N	2.9 N	2 J	2.05	0.73
SILVER	MG/KG	NA	110	4100	0.2 B	0.74 B	3.8 U	0.32 B	0.32 B	0.16 B	0.249 J	0.32 U
THALLIUM	MG/KG	NA	2	2	1.1 U	7.1 UN	12.8 UN	2.1 UN	1.9 UN	1.2 UJ	0.875 U	1.07 U
ZINC	MG/KG	NA	1500	1500	605 J	452	490	282	106	66.9	352	58.6

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-25D

Exceedance Summary
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-3-04 5/4/2000 0 - 1 ft.	SB-O8-732-04 7/26/2000 0 - 2 ft.	SB-P5-535-04 5/11/2000 0 - 1 ft.	SB-P6-541-01 7/26/2000 0 - 1 ft.	SB-P6-651-04 7/26/2000 0 - 1 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.55 BN	0.72 UN	0.546 J	0.64 BN	0.467 UJ	0.661 UJ	1.2 J
ARSENIC	MG/KG	NA	20	20	19.9	4.4	4.55 J	8.5 N	5.41	**261 J**	**103 N**
COPPER	MG/KG	NA	600	600	59.6	62.7 J	43.9 J	24.7	21.6	13.2 J	26 N
LEAD	MG/KG	NA	400	600	**534**	12.6	**685**	**1330**	**455**	47	29.6
MERCURY	MG/KG	NA	14	270	3.3	0.06 J	0.139	0.13 J	0.515 J	0.079	0.74
NICKEL	MG/KG	NA	250	2400	11.4	11 J	10.8 J	12.2	11.4	7.12 J	13.2
SELENIUM	MG/KG	NA	63	3100	0.6 N	0.95 N	1.44	0.99 N	0.744	4.89	1.6
SILVER	MG/KG	NA	110	4100	0.2 B	**332**	0.43 U	0.17 B	0.234 U	0.33 U	0.11 B
THALLIUM	MG/KG	NA	2	2	1.2 UN	1.2 UN	1.77	1.1 B	1.11	**2.96**	0.95 U
ZINC	MG/KG	NA	1500	1500	581 J	93.3	302	383	178	41.4	29.9

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-25D

Exceedance Summary
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P7-9209-03 5/10/2000 0 - 2 ft.	SB-R5-2-03 5/4/2000 0 - 1 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	0.67 UN	1.5 UJ
ARSENIC	MG/KG	NA	20	20	6.2 N	8.6
COPPER	MG/KG	NA	600	600	23.9	19.2
LEAD	MG/KG	NA	400	600	68.3	79.3 J
MERCURY	MG/KG	NA	14	270	**100 J**	0.11
NICKEL	MG/KG	NA	250	2400	9	9.8
SELENIUM	MG/KG	NA	63	3100	0.47 BN	**79.3**
SILVER	MG/KG	NA	110	4100	0.34 U	0.79
THALLIUM	MG/KG	NA	2	2	0.56 B	2.5 U
ZINC	MG/KG	NA	1500	1500	79.7	**4910**

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ft. = Feet below ground surface

Table 5-26A

Exceedance Summary
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.
Semi-Volatile Organic Compounds									
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	376 U	**130 J**	370 U	370 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	608	45 J	**2900**	**930**	**2900**
BENZO(a)PYRENE	UG/KG	100000	660	660	**668**	400 U	**2800**	**750**	**2300 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	790	400 U	**3900**	**1000**	**3400 J**
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	349 J	400 U	**1100**	430	**1300 J**
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	468	400 U	**1800**	280 J	700 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-26B

Exceedance Summary
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.	SB-H14-3-03 10/6/1999 0 - 1 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-O13-1-01 10/1/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.1 J	1.7 J	0.88 J	1.2 J	22.4 UJ	0.83 U	1.1 U	**35.6 J**
ARSENIC	MG/KG	NA	20	20	12.1	10.4	10	10.3	22.4 U	14.7	**21.2**	4.6
BERYLLIUM	MG/KG	NA	2	2	0.24 B	0.15 B	0.14 B	0.14 B	**183**	0.63 B	0.56 B	0.28 B
COPPER	MG/KG	NA	600	600	52.4	52.2	17.8 U	24	**3950**	29.8	65.4	245
LEAD	MG/KG	NA	400	600	**469 J**	**1340 J**	**541 J**	**575**	**1020 J**	123 N	296 N	**5670**
THALLIUM	MG/KG	NA	2	2	2.4 U	2.8 U	2.4 U	1.3 U	44.7 U	**2.1 B**	**2.1 B**	2.5 U
ZINC	MG/KG	NA	1500	1500	699 J	821	30.2	44.4 *N	**45000 J**	107	265	100

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NS = No Standard
ft. = Feet below ground surface

Table 5-26B

Exceedance Summary
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-2-17 10/1/1999 0 - 2 ft.	SB-O13-2-18 10/1/1999 0 - 2 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	6.6 J	1.7 UJ
ARSENIC	MG/KG	NA	20	20	7.3	5.3
BERYLLIUM	MG/KG	NA	2	2	0.15 B	0.11 B
COPPER	MG/KG	NA	600	600	10	8.1
LEAD	MG/KG	NA	400	600	**1390**	**906**
THALLIUM	MG/KG	NA	2	2	2.7 U	2.4 U
ZINC	MG/KG	NA	1500	1500	40.6	33

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-27

TNT Area NFA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
A10-2	Toluene Pipeline	Pipe which runs from the toluene storage tank to mononitrator C10-503; 3 inches in diameter			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
A10-3	A10-3 Second Toluene Storage Tank	Remnant of toluene storage tank and berm area vegetated; no stressed vegetation	SB-A10-3-01 through SB-A10-3-03	SB-A10-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
A10-516	Former Toluene Storage Tank	Bermed area with four foundations used to support the former toluene storage tanks; three lines from tank, one in N and two in S no stressed vegetation (area 200 sq. ft.)	SB-A10-516-01 through SB-A10-516-06	SB-A10-516-05 SB-A10-516-06	Sampling location SB-A10-516-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A10-516-06	No New Jersey Soil Cleanup Criteria Exceedances
A11-3	Absorption Tower #2	Rectangular structure with ten terra cotta coated cement pillars and catch tank on SE side; TNT adjacent to building	SB-A11-3-01 through SB-A11-3-05	SB-A11-3-03 SB-A11-3-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
A12-3	Heater House	Heater house collapsing foundation (area 600 sq. ft.)	SB-A12-3-01 through SB-A12-3-04	SB-A12-3-03	Sampling location was determined using VOC screening The 6" to 12" depth interval had a PID reading of 14 ppm and an FID reading of 19 ppm Analytical results did not detect elevated VOC concentrations	No New Jersey Soil Cleanup Criteria Exceedances
A12-4	Catch Tank	Catch tank associated with tank cradles of A12-5; pipe entering from N from tank cradles	SB-A12-4-01 through SB-A12-4-03	SB-A12-4-01 SB-A12-4-02	Sampling location SB-A12-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A12-4-02.	No New Jersey Soil Cleanup Criteria Exceedances
A12-5	Former Tank Cradle	Contains four concrete tank cradles about 8 ft. wide and 32 ft. long; housed in bermed area; No evidence of release	SB-A12-5-01 through SB-A12-5-06	SB-A12-5-03 SB-A12-5-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
A12-6	Glass Debris Area	Area is covered with broken laboratory glassware (area=200 sq. ft.)	SB-A12-6-01 through SB-A12-6-03	SB-A12-6-01 SB-A12-6-02	Sampling location SB-A12-6-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A12-6-02.	No New Jersey Soil Cleanup Criteria Exceedances
A13-753	Filter House #3	Bldg. and associated berm almost totally removed; substantial vegetation; pieces of metal machinery in center of former bldg. Small pile of metal reinforcing bars E of A13-753 (area 500 sq. ft.)	SB-A13-753-01 through SB-A13-753-04	SB-A13-753-01	Sampling location was determined using VOC screening The 6" to 12" depth interval had a PID reading of 17 ppm and an FID reading of 22 ppm Analytical results did not detect elevated VOC concentrations	No New Jersey Soil Cleanup Criteria Exceedances
B10-3	Scrap Brine Coils	Two brine coils and associated debris; no visible impact (area 100 sq. ft.)	SB-B10-3-01 through SB-B10-3-03	SB-B10-3-03 SB-B10-3-01	Sampling location SB-B10-3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B10-3-01	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-27

TNT Area NFA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B10-4	Scrap Brine Coils	Remnant equipment; brine coils (area 100 sq. ft.)	SB-B10-4-01 through SB-B10-4-03	SB-B10-4-01 SB-B10-4-02	Sampling location SB-B10-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B10-4-02	No New Jersey Soil Cleanup Criteria Exceedances
B11-2	Standpipe	Stand pipe approximately 50 ft. N of B11-523 6 inches in diameter; several 2-8 inch pipes on ground	SB-B11-2-01 through SB-B11-2-03	SB-B11-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C10-438	Mixed Acid Storage #2	Three 10x1.5 foot cement foundations; 12 inch diameter terra cotta pipe entering ground W of central footer; old process pipe associated with this bldg.	SB-C10-438-01 through SB-C10-438-06	SB-C10-438-05 SB-C10-438-01	Sampling location SB-C10-438-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-438-01	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B12-422	Dynamite Mix Houses #5 & #6	Two pipes enter ground in N central area Building is demolished and largely overgrown, footers remain No evidence of a release	SB-B12-422-01 through SB-B12-422-07	SB-B12-422-06 SB-B12-422-04	Sampling location SB-B12-422-06 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B12-422-04	No New Jersey Soil Cleanup Criteria Exceedances
B13-7	Motor House for Gel Mix House #2	Very old dismantled foundation. Two steel pipes enter ground. 10'x10' area of stressed vegetation in center of building	SB-B13-7-01 through SB-B13-7-07	SB-B13-7-01 SB-B13-7-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
B14-128	Quinan Pack House	Very old stone foundation; No evidence of a release	SB-B14-128-01 through SB-B14-128-05	SB-B14-128-01 SB-B14-128-02	Sampling location SB-B14-128-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B14-128-02	No New Jersey Soil Cleanup Criteria Exceedances
B14-3	Shell Store	Very little evidence of former building exists. No evidence of a release	SB-B14-3-01 through SB-B14-3-05	SB-B14-3-05 SB-B14-3-02	Sampling location SB-B14-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B14-3-02	No New Jersey Soil Cleanup Criteria Exceedances
C12-1	Earthen Pits	Two pits dug out of the ground, use unknown; Partially filled with water, no evidence of a release	SB-C12-1-01 through SB-C12-1-06	SB-C12-1-03 SB-C12-1-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C12-8229	Change House	Brick building still standing; There is an associated septic tank W of the N corner	SB-C12-8229-01 through SB-C12-8229-04 TP-C12-8229-05	SB-C12-8229-03 SB-C12-8229-01 TP-C12-8229-05	Sampling location SB-C12-8229-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C12-8229-01. Test Pit location was placed downgradient from septic.	No New Jersey Soil Cleanup Criteria Exceedances
C13-133	Triton Store	Only one chunk of concrete and a piece of metal remain; No evidence of a release	SB-C13-133-01 through SB-C13-133-05	SB-C13-133-05 SB-C13-133-03	Sampling location SB-C13-133-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C13-133-03	No New Jersey Soil Cleanup Criteria Exceedances
C13-2	Spray Field A	Large grass covered area;j PVC piping underground - unknown location; No evidence of a release (area=74,000 sq ft)	SB-C13-2-01 through SB-C13-2-20	SB-C13-2-01 through SB-C13-2-20	Three sample locations (SB-C13-2-01/03/09) were determined using professional judgement; Group B E&E materials were detected at SB-C13-2-10 and SB-C13-2-14 using an Expray Test Kit. Confirmation samples were collected at the remaining sample locations (SB-C13-2-02/04/05/06/07/08/11/12/13/15/16/17/18/19/20). Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
C13-263C	Blower House for Gel Mix House #1	Structure dismantled; Three old blower units remain; No evidence of a release (area=100 sq ft)	SB-C13-263C-01 through SB-C13-263C-03	SB-C13-263C-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 682 ppm at SB-C13-263C-01 Analytical results did not detect elevated lead concentrations	No New Jersey Soil Cleanup Criteria Exceedances
C13-3	Unknown	Small bermed area, all that remains is minor amounts of metal debris (area=100 sq ft)	SB-C13-3-01 through SB-C13-3-03	SB-C13-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C13-742	Gel Pack House	Building demolished; Concrete footers remain; Swale on east side of former building; No evidence of a release	SB-C13-742-01 through SB-C13-742-05	SB-C13-742-01 SB-C13-742-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C14-121	Superfluous Machinery Store	Very old 30'x 20' stone foundation; No evidence of a release (area=400 sq ft)	SB-C14-121-01 through SB-C14-121-04	SB-C14-121-03 SB-C14-121-04	Sampling location SB-C14-121-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-121-04	No New Jersey Soil Cleanup Criteria Exceedances
C14-125	Pattern Store	Foundation destroyed; Only two piles of brick remain; No evidence of a release (area=400 sq ft)	SB-C14-125-01 through SB-C14-125-04	SB-C14-125-01 SB-C14-125-04	Sampling location SB-C14-125-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-125-04	No New Jersey Soil Cleanup Criteria Exceedances
C14-2	Debris Area	24 metal screens; No evidence of a release (area=100 sq ft)	SB-C14-2-01 through SB-C14-2-03	SB-C14-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
D11-7	Unknown	Building demolished; Six very old cement footers remain; Some metal debris and two old drum hulks present; No evidence of a release (area=200 sq ft)	SB-D11-7-01 through SB-D11-7-03	SB-D11-7-01 SB-D11-7-02	Sampling location SB-D11-7-01 was determined using XRF screening Results indicated a lead concentration of 2,498 ppm. A confirmation sample was collected at SB-D11-7-02 Analytical results did not detect elevated lead concentrations	No New Jersey Soil Cleanup Criteria Exceedances
D12-1	Blower House for D11-282A	This building was destroyed; It measured approximately 15' x 15'; Remains of old equipment are rusted hulks; No evidence of a release (area=200 sq ft)	SB-D12-1-01 through SB-D12-1-03	SB-D12-1-02 SB-D12-1-01	Sampling location SB-D12-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-1-01	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
D12-2073	Unknown	Small 15' x 10' demolished building; Wood and metal debris present; No evidence of a release (area=200 sq ft)	SB-D12-2073-01 through SB-D12-2073-03	SB-D12-2073-03 SB-D12-2073-01	Sampling location SB-D12-2073-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-2073-01	No New Jersey Soil Cleanup Criteria Exceedances
D12-208D	Unknown	Demolished structure approximately 10' x 20'; All remnants of building removed; Area filled with water No evidence of a release (area=200 sq ft)	SB-D12-208D-01 through SB-D12-208D-03	SB-D12-208D-03 SB-D12-208D-01	Sampling location SB-D12-208D-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-208D-01	No New Jersey Soil Cleanup Criteria Exceedances
D12-3	Unknown	Combination of D12-208 and D12-130E; These were small structures dismantled and combined together The area contains metal and concrete debris; Two 2" diameter pipes enter ground on east side; No evidence of a release	SB-D12-3-01 through SB-D12-3-05	SB-D12-3-04 SB-D12-3-02	Sampling location SB-D12-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D12-3-02	No New Jersey Soil Cleanup Criteria Exceedances
D13-2	Electric Pole Transformer	Transformer removed; No evidence of a release	SB-D13-2-01	SB-D13-2-01	Sample taken directly below former transformer	No New Jersey Soil Cleanup Criteria Exceedances
E10-2	Unknown	Former structure destroyed; Eight cement footers remain; Former structure approximately 15' x 30'; No evidence of a release (area=600 sq ft)	SB-E10-2-01 through SB-E10-2-04	SB-E10-2-03 SB-E10-2-04	Sampling location SB-E10-2-03 was determined using E&E screening Group B E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-E10-2-04 Analytical results did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances
E10-3	Unknown	Small stone cylindrical footer approximately 7' in diameter; No evidence of a release (area=100 sq ft)	SB-E10-3-01 through SB-E10-3-03	SB-E10-3-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E10-3-02 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances
E11-1	Auxiliary Heater House	Small wooden structure 5' x 3'; Used to support E1-2064; No evidence of a release	SB-E11-1-01 through SB-E11-1-04	SB-E11-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E11-11	Unknown	Remnants of an old foundation with brick footers; No evidence of a release (area=100 sq ft)	SB-E11-11-01 through SB-E11-11-03	SB-E11-11-02	Sampling location SB-E11-11-02 was determined using professional judgement; Screening results did not warrant biased sampling.	No New Jersey Soil Cleanup Criteria Exceedances
E11-2	Unknown	Small 12' x 12' rectangular cement and brick foundation; No evidence of a release (area=400 sq ft)	SB-E11-2-01 through SB-E11-2-04	SB-E11-2-03 SB-E11-2-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-2-03 using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
E11-207B	Repair Shop	Old overgrown foundation; No evidence of release (area=900 sq ft)	SB-E11-207B-01 through SB-E11-207B-04	SB-E11-207B-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E11-2083	Air Conditioning House	Old 12'x10' wooden structure; Contains old air conditioner/heater; Slight stressed vegetation under awnings (area=200 sq ft)	SB-E11-2083-01 through SB-E11-2083-04	SB-E11-2083-03 SB-E11-2083-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E11-4	Dynamite Box Pack House	Building and associated structures almost totally removed; Area very vegetated	SB-E11-4-01 through SB-E11-4-03	SB-E11-4-02 SB-E11-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-E11-4-01	No New Jersey Soil Cleanup Criteria Exceedances
E11-5	Stressed Vegetation	Center of stressed vegetation (area=20 sq ft)	SB-E11-5-01 through SB-E11-5-03	SB-E11-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E11-8	Electric Transformer	Base of telephone pole	SB-E11-8-01	SB-E11-8-01	Sample taken at base of telephone pole	No New Jersey Soil Cleanup Criteria Exceedances
E11-8228	Change House	Brick structure 30' x 30'; Septic tank located 20' W of building (1 sludge sample taken during Single Phase Remediation)'; Several small steam blow-out lines present on east side of bldg; No evidence of a release	SB-E11-8228-01 through SB-E11-8228-05 TP-E11-8228-06	SB-E11-8228-02 SB-E11-8228-05 TP-E11-8228-06	Sampling location SB-E11-8228-02 was determined using XRF screening; Results indicated a lead concentration of 478 ppm. A confirmation sample was collected at SB-E11-8228-05. Test Pit location was placed downgradient from the septic. Analytical results did not detect elevated Metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E12-130E	Air Conditioning House	Old wooden structure 12' x 15'; Contains HVAC Equipment; Several vent pipes from HVAC equipment extend through bldg wall; No evidence of a release (area=300 sq ft)	SB-E12-130E-01 through SB-E12-130E-04	SB-E12-130E-02 SB-E12-130E-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E12-2081	Air Conditioning House	Old possible fiberglass sided structure 24' x 24'; Houses HVAC equipment; Two floor drains, A pipe, possibly steam blow-out line, exits building on north side; No evidence of a release	SB-E12-2081-01 through SB-E12-2081-05	SB-E12-2081-04 SB-E12-2081-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E12-298B	Machine Parts House	Partially demolished brick structure measuring 15' x 8'; No evidence for a release (area=200 sq ft)	SB-E12-298B-01 through SB-E12-298B-03	SB-E12-298B-03 SB-E12-298B-02	Sampling location SB-E12-298B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E12-298B-02	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
E12-6	Temp Carpenter Shop	Only old scrap remains of this 10' x 10' area; Pipe enters ground, unknown if intact	SB-E12-6-01 through SB-E12-6-04	SB-E12-6-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E12-9317	Powder Line Office	Very old 20' x 20' demolished stone foundation; Some debris scattered around former structure; No evidence of a release (area=300 sq ft)	SB-E12-9317-01 through SB-E12-9317-04	SB-E12-9317-04 SB-E12-9317-01	Sampling location SB-E12-9317-04 was determined using XRF screening; Results indicated a lead concentration of 406 ppm. A confirmation sample was collected at SB-E12-9317-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E13-1	Electric Pole Transformer	No evidence of a release	SB-E13-1-01	SB-E13-1-01	Sample taken at base of pole	No New Jersey Soil Cleanup Criteria Exceedances
E13-2040	Waxing Shed	Very old wooden structure; Rail loading area on south side; Possible stand pipe near NE corner Small shed with old machinery adjacent on north side; No evidence of a release	SB-E13-2040-01 through SB-E13-2040-07	SB-E13-2040-04 SB-E13-2040-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E13-2074A	Catch Tank House	Old brick structure; Currently contains a blower piped to E13-2074; No evidence of former catch tank, may have sat on concrete	SB-E13-2074A-01 through SB-E13-2074A-05	SB-E13-2074A-01 SB-E13-2074A-05	Sampling location SB-E13-2074A-01 was determined using E&E screening; Group B E&E materials were detected at using an Expray Test Kit. A confirmation sample was collected at SB-E13-2074A-05	No New Jersey Soil Cleanup Criteria Exceedances
E13-2078	Heater House	Small 15' x 10' cinder block structure; Old heater and steam line inside building; No evidence of a release	SB-E13-2078-01 through SB-E13-2078-04	SB-E13-2078-03 SB-E13-2078-04	Sampling location SB-E13-2078-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E13-2078-04	No New Jersey Soil Cleanup Criteria Exceedances
E13-3	Trash Shed	Small 10' x 6' wooden structure; Potential stressed vegetation west and south of structure	SB-E13-3-01 through SB-E13-3-05	SB-E13-3-03 SB-E13-3-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling. A confirmation sample was collected at E13-3-05.	No New Jersey Soil Cleanup Criteria Exceedances
E13-5	Debris from Bldg's 8209/2039	General debris covers approximately 15' diameter area; No evidence of a release	SB-E13-5-01 through SB-E13-5-03	SB-E13-5-02 SB-E13-5-03	Sampling location SB-E13-5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E13-5-03	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
E14-668	Box Pack House	Remains of a concrete foundation; Debris covers concrete foundation; Slight stressed vegetation along eastern side of foundation	SB-E14-668-01 through SB-E14-668-05	SB-E14-668-03 SB-E14-668-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F11-79C	Unknown	All that remains is a 1' x 2' footer, all else has been removed; No evidence of a release (area=100 sq ft)	SB-F11-79C-01 through SB-F11-79C-03	SB-F11-79C-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F12-191	Laundry and Change House	No evidence of former structures; No evidence of a release	SB-F12-191-01 through SB-F12-191-03	SB-F12-191-02 SB-F12-191-01	Sampling location SB-F12-191-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-191-01	No New Jersey Soil Cleanup Criteria Exceedances
F12-3	Sump	Seven foot diameter cement sump; Surface mounted pump; Pipe exits sump and enters ground to south; No evidence of a release	TP-F12-3-01	TP-F12-3-01	Test Pit was placed downgradient of the sump.	No New Jersey Soil Cleanup Criteria Exceedances
F12-6	Unknown	This is a very old brick structure; here is a loading door to the north; A drain pipe exits at the southwest corner; No evidence of a release	SB-F12-6-01 through SB-F12-6-20	SB-F12-6-06 SB-F12-6-12	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F12-R1	Radford Packhouse Scrap Shed	Completely removed no evidence of location; Estimated location covered in asphalt; No evidence of a release	SB-F12-R1-01 through SB-F12-R1-03	SB-F12-R1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F13-1	Former Pond	Old pond that has been filled in; One drum and several bottles evident in SE area; Area is grass covered (area=23,000 sq ft)	SB-F13-1-01 through SB-F13-1-20	SB-F13-1-15 SB-F13-1-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,024 ppm at SB-F13-1-15 Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F13-2077	Unknown	Completely removed no evidence of location; Estimated location covered in asphalt; No evidence of a release	SB-F13-2077-01 through SB-F13-2077-03	SB-F13-2077-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F13-236B	Unknown	Very old 10' x 15' cement foundation; Nearly completely removed; No evidence of a release (area=200 sq ft)	SB-F13-236B-01 through SB-F13-236B-03	SB-F13-236B-03 SB-F13-236B-01	Sampling location SB-F12-236B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-236B-01	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-28

Dynamite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, Kenvil, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
F13-8209	Unknown	Completely removed no evidence of location; Estimated location; No evidence of a release	SB-F13-8209-01 through SB-F13-8209-03	SB-F13-8209-03 SB-F13-8209-02	Sampling location SB-F13-8209-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F13-8209-02	No New Jersey Soil Cleanup Criteria Exceedances
F13-8230	Change House	Building demolished approximately 20' x 20; Only bricks and cinder block remain; Septic Tank associated with the building. No evidence of a release	SB-F13-8230-01 through SB-F13-8230-04 TP-F13-8230-05	SB-F13-8230-02 SB-F13-8230-03 TP-F13-8230-05	Sampling location SB-F13-8230-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F13-8230-03. Test Pit location was placed downgradient from the septic tank.	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-29

Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
B11-3	Electric Transformer	Pole mounted; transformer intact; No evidence of release	SB-B11-3-01	SB-B11-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
B11-4	Tank Saddle	Three concrete tank cradles: No evidence of a release	SB-B11-4-01 through SB-B11-4-03	SB-B11-4-01 SB-B11-4-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
B11-5	NG Gutter	Old NG gutter; wooden structure removed only stanchions remain used when B11-2044 was used as the NG neutralizing and storage house # 4. No evidence of release (length = 750 feet)	SB-B11-5-01 through SB-B11-5-08		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
B11-9	Heater House	Overgrown foundation; several cement foundations visible and a steam line with asbestos like insulation; No evidence for release	SB-B11-9-01 through SB-B11-9-04	SB-B11-9-02 SB-B11-9-03	Sampling location SB-B11-9-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B11-9-03	No New Jersey Soil Cleanup Criteria Exceedances
C10-1	Electric Transformer	Base of pole intact; No evidence of release	SB-C10-1-01	SB-C10-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C10-241A	Shot Bldg	Cratered area from when former structure shot; broken debris from what looks like an explosion extending E from cratered area. No evidence of release	SB-C10-241A-01 through SB-C10-241A-05	SB-C10-241A-03 SB-C10-241A-05	Sampling location SB-C10-241A-03 was determined using XRF screening; Results indicated a lead concentration of 2,493 ppm. A confirmation sample was collected at SB-C10-241A-05. Analytical results did not detect elevated lead concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
C10-241C	Former Nitrator	Wooden based bldg; only wooden floor remains in L-shape. No evidence of release	SB-C10-241C-01 through SB-C10-241C-04	SB-C10-241C-04 SB-C10-241C-03	Sampling location SB-C10-241C-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-241C-03	No New Jersey Soil Cleanup Criteria Exceedances
C11-22	Air Receiver Tank	4' x 10' air tank resting on two cradles; held air from NG process in bldg. C11-2233. No evidence of release	SB-C11-22-01 through SB-C11-22-03	SB-C11-22-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C11-2233C	Storage Shed	Small wooden structure appears to be used for storage; steam and electricity. No evidence of release	SB-C11-2233C-01 through SB-C11-2233C-04	SB-C11-2233C-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C11-23	Stressed Vegetation	Small area of stressed vegetation W of C11-21;may be associated with C11-21 (area=100 sq ft)	SB-C11-23-01 through SB-C11-23-03	SB-C11-23-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C11-24	Shed	Small shed used to store solar salt for water treatment; No evidence of release	SB-C11-24-01 through SB-C11-24-04	SB-C11-24-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C11-25	Discharge Pipe	Terminated from steam sump at C11-21; shallow pit (2' x 2') received runoff from steam sump at C11-21; abundant algae and a white precipitate	SB-C11-25-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances

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Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
C11-28	NG Gutter	Wooden structure supporting the NG gutter; begins at nitrator house and terminates at C11-2233 (length = 700 feet)	SB-C11-28-01 through SB-C11-28-07		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
C11-28A	NG Gutter	Short NG gutter from No. 2 nitrator to C11-28; gutter intact; No evidence of release (length = 50 feet)	SB-C11-28A-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
C11-29	NG Waste Gutter	Small wooden trough that contains a fiberglass pipe; carried waste waters from the catch tank house to final catch tank pipe looks intact; may follow an old ditch; an 8' section is made of lead. No evidence of release (length = 200 feet)	SB-C11-29-01 through SB-C11-29-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
C11-4A	Stressed Vegetation	Contains flyash and bottles; vegetation sparse or non-existent (area=300 sq ft)	SB-C11-4A-01 through SB-C11-4A-03	SB-C11-4A-01 SB-C11-4A-02	Sampling location SB-C11-4A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C11-4A-02	No New Jersey Soil Cleanup Criteria Exceedances
C11-4B	Stressed Vegetation	Similar to stressed vegetation area A; contains flyash and bottles vegetation sparse or non-existent (area=100 sq ft)	SB-C11-4B-01 through SB-C11-4B-03	SB-C11-4B-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
C11-N3	Neutralizer # 3 Scrap Shed	Small aluminum sided shed used to store scrap temporarily; currently empty. No evidence of release	SB-C11-N3-01 through SB-C11-N3-04	SB-C11-N3-03 SB-C11-N3-02	Sampling location SB-C11-N3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C11-N3-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-11	Air Receiver	Large air tank on two cement cradles over soil; drain on W side and air fill on E side; tank intact. No evidence of release	SB-D10-11-01 through SB-D10-11-03	SB-D10-11-01 SB-D10-11-03	Sampling location SB-D10-11-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-11-03	No New Jersey Soil Cleanup Criteria Exceedances
D10-13	Septic Tank	A buried septic tank used for the No.1 and No.2 Nitrator House	TP-D10-13-01	TP-D10-13-01	Test Pit location was placed downgradient from the septic tank	No New Jersey Soil Cleanup Criteria Exceedances
D10-15	Air Receiver Tank	Steel air tank associated with D10-2227 nitrator bldg; probably auxiliary to the larger air tank; tank hooked up to air and steam	SB-D10-15-01 through SB-D10-15-03	SB-D10-15-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 522 ppm and a copper concentration of 738 ppm at SB-D10-15-03 Analytical results did not detect elevated metal concentrations	No New Jersey Soil Cleanup Criteria Exceedances
D10-16	Unknown		SB-D10-16-01 through SB-D10-16-04	SB-D10-16-03 SB-D10-16-02	Sampling location SB-D10-16-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-16-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-18	NG Gutter	Old NG gutter to Bldg. 2220; gutter has been dismantled all that remains is old Stanchion footers; most likely dismantled after bldg. Shot. No evidence of release (length = 250 feet)	SB-D10-18-01 through SB-D10-18-03		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances

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Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D10-21	Acid Line	2" SS acid line that runs from the acid scrubber to D10-12 and nitrator D10-2227 to the spent acid; line in good condition. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
D10-22	NG Gutter	Originates at No 2 nitrator house and progresses NE; joins D10-23 and enters the catch tank at D10-223; No evidence of release (length = 200 feet)	SB-D10-22-01 through SB-D10-22-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-2227E	Air Scrubber House	Concrete foundation;contains air scrubbing equipment from D10-2227 nitrating house; electric, steam, and air scrubbing lines. No evidence of release	SB-D10-2227E-01 through SB-D10-2227E-04	SB-D10-2227E-01 SB-D10-2227E-02	Sampling location SB-D10-2227E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2227E-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2228	Drowning House	Housed a large lead basin that received waste possibly from nitrator bldg; pipeline leaves bldg and goes to NG catch tank. No evidence of release	SB-D10-2228-01 through SB-D10-2228-06	SB-D10-2228-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 537 ppm at SB-D10-2228-01	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233	Neutralizer # 2	Bldg shot and left a water filled crater; associated bldgs D10-2233, D10-2048 and the catch tank were also leveled in blast; they were much closer to main structure than drawn by Roux; area covered with debris; air receiver tank thrown 200' E of former structure area vegetated with old domestic bottles at base of crater	SB-D10-2233-01 through SB-D10-2233-05	SB-D10-2233-04 SB-D10-2233-02	Sampling location SB-D10-2233-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233A	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233A-01 through SB-D10-2233A-03	SB-D10-2233A-01 SB-D10-2233A-02	Sampling location SB-D10-2233A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233A-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233B	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233B-01 through SB-D10-2233B-03	SB-D10-2233B-03 SB-D10-2233B-02	Sampling location SB-D10-2233B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233B-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233C	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233C-01 through SB-D10-2233C-03	SB-D10-2233C-01 SB-D10-2233C-02	Sampling location SB-D10-2233C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233C-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233D	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233D-01 through SB-D10-2233D-03	SB-D10-2233D-03 SB-D10-2233D-02	Sampling location SB-D10-2233D-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-2233D-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-2233E	Neutralizer # 2 Support Building	Building completely removed. Debris from Neutralizer #2 has been removed. Area is currently graded.	SB-D10-2233E-01 through SB-D10-2233E-03	SB-D10-2233E-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-29

Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D10-23	NG Gutter	Short NG gutter that runs from No. 1 nitrator to catch tank house (D10-2231); joins D10-22 and continues to catch tank house. No evidence of release (length = 150 feet)	SB-D10-23-01 through SB-D10-23-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-24	NG Line	NG pipe that originates at No. 1 nitrator goes to Drowning House (2228). No evidence of release. (length = 100 feet)	SB-D10-24-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipeline No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-24A	NG Gutter	Old NG gutter used to follow same path as D10-24 but looks like it detours around the browning house D10-2228; waste line from 2228 joins gutter on S side of bldg. No evidence of release (length = 100 feet)	SB-D10-24A-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-25	Spent Acid Pipe	Small 2-inch SS line runs from spent acid house (D10-2230) to catch tank house (D10-2231); line looks intact. No evidence of release	SB-D10-25-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-26	Spent Acid Waste Line	Pipe from spent acid bldg (D10-2230) intersects waste line from catch tank house (D10-2231). No evidence of release	SB-D10-26-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of waste line No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-27	Catch Tank Waste Line	3" fiberglass line that exits D10-2231-the catch tank house; joined by a waste line from spent acid house (D10-2230) then goes S; goes underground, across road, and then cannot be followed. No evidence of release	SB-D10-27-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of waste line No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D10-3	Electric Transformer	Transformer has been removed. No evidence of release	SB-D10-3-01	SB-D10-3-01	Sample taken immediately adjacent to former pole Screening results indicated an arsenic concentration of 192 ppm Metals analysis still needs to be collected	No New Jersey Soil Cleanup Criteria Exceedances
D10-8	Unknown	Two small rock footers possibly used to support a tank; area vegetated. No evidence of release	SB-D10-8-01 through SB-D10-8-03	SB-D10-8-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
D10-9119	Mixed Acid Store	Bldg removed; only four concrete footers remain; footers currently being used to support pipes; No evidence of release (area=400 sq ft)	SB-D10-9119-01 through SB-D10-9119-04	SB-D10-9119-01 SB-D10-9119-02	Sampling location SB-D10-9119-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-9119-02	No New Jersey Soil Cleanup Criteria Exceedances
D10-N4	Spent Acid Area Scrap Shed	Siding material all that remains of the former scrap shed; No evidence of release (area=100 sq ft)	SB-D10-N4-01 through SB-D10-N4-03	SB-D10-N4-01	Sampling location was determined from the presence of E&E compounds at SB-D10-N4-02 Group B E&E compounds were detected at SB-D10-N4-02 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances

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Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D11-112	Box Sto.	Several concrete footers; former site overgrown; No evidence of release	SB-D11-112-01 through SB-D11-112-05	SB-D11-112-05 SB-D11-112-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-D11-112-01	No New Jersey Soil Cleanup Criteria Exceedances
D11-20	NG Slum House	Small depression where bldg should be. No evidence of release (area=100 sq ft)	SB-D11-20-01 through SB-D11-20-03	SB-D11-20-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 580 ppm at SB-D11-20-01	No New Jersey Soil Cleanup Criteria Exceedances
D11-21	Waste NG Line	Two 4" diameter NG waste lines contained in a metal trough; line abruptly ends S of Bldg. 2220; lines may have been dismantled after Bldg. 2220 shot; No evidence of release. (length = 150 feet)	SB-D11-21-01 through SB-D11-21-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D11-8572A	NG Final Catch Tank	Small aluminum sided structure housed final NG catch tank; two process lines enter structure from NE and NW corner for the catch tank. No evidence of release	SB-D11-8572A-01 through SB-D11-8572A-02		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of process lines No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D11-8572B	Pump House	Pump house for the NG catch tank; consisted of an 8' x 15' aluminum sided shed that housed two pumps; shed connected to a 15' diameter water tank to push the NG waste water to the wastewater tank; No evidence of release	SB-D11-8572B-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipes No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
D9-2	Pumphouse for Glycerin	Cement floored wooden structure; fairly new; housed pumps that pumped glycerin from the storage tanks to soda house (2229). No evidence for release	SB-D9-2-01 through SB-D9-2-04	SB-D9-2-04 SB-D9-2-01	Sampling location SB-D9-2-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-2-01	No New Jersey Soil Cleanup Criteria Exceedances
D9-2229	Soda Prep House	Concrete and steel structure; loading dock on W side; two large 10' diameter soda and water solution tanks on E side; pipe lines enter and exit at NE and SW sides	SB-D9-2229-01 through SB-D9-2229-10	SB-D9-2229-01 SB-D9-2229-05	Sampling location SB-D9-2229-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-2229-05	No New Jersey Soil Cleanup Criteria Exceedances
D9-3	Dust Collector	Dust collecting machine for soda house; electrical and collects dust from soda house by way of an air duct. No evidence of release	SB-D9-3-01 through SB-D9-3-04	SB-D9-3-02 SB-D9-3-01	Sampling location SB-D9-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-3-01	No New Jersey Soil Cleanup Criteria Exceedances
D9-5	Unknown	Very old remnant of bldg that appears as flat, elevated area;some remnants of a concrete foundation; two reinforcing bars present. No evidence of release (area=800 sq ft)	SB-D9-5-01 through SB-D9-5-05	SB-D9-5-05 SB-D9-5-02	Sampling location SB-D9-5-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D9-5-02	No New Jersey Soil Cleanup Criteria Exceedances
D9-8284	Solvent Storage	Former structure removed; next to no evidence of its existence; trash shed on former location. No evidence of release	SB-D9-8284-01 through SB-D9-8284-05	SB-D9-8284-05 SB-D9-8284-03	Sampling location SB-D09-8284-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D09-8284-03	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-29

Nitroglycerin Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D9-N1	Nitrator Scrap Shed	Scrap shed has been removed; area is flat and adjacent to a berm. No evidence of release (area=100 sq ft)	SB-D9-N1-01 through SB-D9-N1-03	SB-D9-N1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E10-2031B	Change House	Brick structure used as a change house; looks like it has been converted to an office with parts around; septic tank ~ 20' SW of bldg (1 sludge sample taken during Single Phase Remediation effort). No evidence of release	SB-E10-2031B-01 through SB-E10-2031B-04 TP-E10-2031B-05	SB-E10-2031B-04 SB-E10-2031B-01 TP-E10-2031B-05	Sampling location SB-E10-2031B-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2031B-01. Test Pit location was placed downgradient of the septic tank.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2031C	Shed	Cement pad with a broken metal shed; shed contains fire extinguishers and general maintenance equipment; No evidence of release	SB-E10-2031C-01 through SB-E10-2031C-04	SB-E10-2031C-01 SB-E10-2031C-03	Sampling location SB-E10-2031C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2031C-03	No New Jersey Soil Cleanup Criteria Exceedances
E10-2314	Acetone Weigh House	Bldg demolished; three 1.5' x 1.5' footers remain; area vegetated. No evidence of release.	SB-E10-2314-01 through SB-E10-2314-03	SB-E10-2314-02 SB-E10-2314-01	Sampling location SB-E10-2314-02 was determined using XRF screening; Results indicated a zinc concentration of 2,143 ppm. A confirmation sample was collected at SB-E10-2314-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-9	NG Gutter	Old NG gutter from Bldg. 2220 to the emulsifier house (E10-2169); cannot determine how it ran into Bldg. 2220 since it shot with little remaining. No evidence of release (length = 550 feet)	SB-E10-9-01 through SB-E10-9-06		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of gutter No positive detections were found using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
Bldg = Building
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-30

PETN Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
C10-15	Tank Saddles	Two wooden tank saddles; tank is removed; No evidence of release	SB-C10-15-01 through SB-C10-15-03	SB-C10-15-02	Sampling location was determined using professional judgement screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-31

Development Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
G6-1	Magazine	Building demolished, minimal evidence of remains; Portions of stone foundation remain; No evidence of release	SB-G6-1-01 through SB-G6-1-03	SB-G6-1-03 SB-G6-1-02	Sampling location SB-G6-1-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-1-02	No New Jersey Soil Cleanup Criteria Exceedances
G6-4	Unknown Storage Tank	Above ground storage tank mounted on concrete cradles. Pressure gauge mounted on S end. No evidence of release.	SB-G6-4-01 through SB-G6-4-03	SB-G6-4-01	Sampling location SB-G6-4-01 was determined using XRF screening; Results indicated a lead concentration of 535 ppm at SB-G6-4-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
G6-8261	Solvent Shed	Wood and corrugated sheet metal construction; One door in front for loading/unloading; No evidence of release	SB-G6-8261-01 through SB-G6-8261-05	SB-G6-8261-03 SB-G6-8261-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G6-906	Auto Shed	Area is currently paved over, location determined from maps. No evidence of release	TP-G6-906-01 through TP-G6-906-03	TP-G6-906-01 TP-G6-906-02	Test Pits dug through asphalt in sampling locations using professional judgement.	No New Jersey Soil Cleanup Criteria Exceedances
G6-9219	Sample Magazine	Only some bricks and metal debris remain of this former structure. Building appears to have been dismantled long ago. No evidence of release.	SB-G6-9219-01 through SB-G6-9219-05	SB-G6-9219-05 SB-G6-9219-04	Sampling location SB-G6-9219-05 was determined using professional judgement; Screening results did not warrant biased sampling.A confirmation sample was collected at SB-G6-9219-04	No New Jersey Soil Cleanup Criteria Exceedances
G7-8140	Break Room	Wooden and corrugated sheet metal construction over concrete foundation. Break room sinks and tables present. Possible septic tank on E side. No evidence of release.	SB-G7-8140-01 through SB-G7-8140-04	SB-G7-8140-02 TP-G7-8140-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from septic	No New Jersey Soil Cleanup Criteria Exceedances
G7-E49	Extra Magazine	Small wooden storage magazine with a smaller shed Electrical connection to smaller shed, 2" steam line to magazine "8249A" spray painted on the front. No evidence of release	SB-G7-E49-01 through SB-G7-E49-05	SB-G7-E49-02 SB-G7-E49-05	Sampling location SB-G7-E49-02 was determined using XRF screening; Results indicated an arsenic concentration of 233 ppm. A confirmation sample was collected at SB-G7-E49-05. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
G8-8177A	Storage Shed	Small wooden and corrugated sheet metal storage shed; Adjacent single phase transformer and electrical controls; No evidence of release	SB-G8-8177A-01 through SB-G8-8177A-03	SB-G8-8177A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G8-8178	Blending House	Corrugated cylindrical metal room covered in soil; Small barrel house-sheet metal front; No evidence of release	SB-G8-8178-01 through SB-G8-8178-02	SB-G8-8178-01 SB-G8-8178-02	Sampling location SB-G08-8178-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G08-8178-02	No New Jersey Soil Cleanup Criteria Exceedances

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Development Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H5-1	Septic Tank	Large septic tank covered by a S.S. lid (one sludge sample taken during Single Phase Remediation effort)	TP-H5-1-01	TP-H5-1-01	Test Pit location was placed downgradient from the septic.	No New Jersey Soil Cleanup Criteria Exceedances
H5-2	Electric Transformer	Transformer mounted on pole adjacent to two decon ovens.	SB-H5-2-01	SB-H5-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H5-3	Septic Tank	Possible photo reagents present; No evidence of release	TP-H5-3-01	TP-H5-3-01	Test Pit location placed downgradient from septic	No New Jersey Soil Cleanup Criteria Exceedances
H5-8180	Gate House	Remnant Building, location determined from historical maps			Test Pits were dug at this AOC. Underground pipelines were found at this location. Sampling was suspended.	No New Jersey Soil Cleanup Criteria Exceedances
H5-8254	Photo Laboratory	Extension off NW corner of Bldg. 8126; Concrete masonry unit construction with plaster floor and wooden walls on S third of building; Marked as lead print with vertical asbestos shingles; No evidence of release	SB-H5-8254-01 through SB-H5-8254-04	SB-H5-8254-04 SB-H5-8254-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-H05-8254-01	No New Jersey Soil Cleanup Criteria Exceedances
H6-1	Store House	All that remains is six concrete footers; No evidence of release	SB-H6-1-01 through SB-H6-1-05	SB-H6-1-02 SB-H6-1-03	Sampling location SB-H06-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H06-1-03	No New Jersey Soil Cleanup Criteria Exceedances
H6-10	Septic Tank	Large septic tank, large pit was excavated and timbers placed over and covered with earth	TP-H6-10-A	TP-H6-10-A	Test Pit location placed downgradient from septic	No New Jersey Soil Cleanup Criteria Exceedances
H6-11	Septic Tank	Septic tank with SS lid along path near substation (one sludge sample taken during Single Phase Remediation effort)	TP-H6-11-A	TP-H6-11-A	Test Pit location placed downgradient from septic	No New Jersey Soil Cleanup Criteria Exceedances
H6-12	Electric Transformer	Small electric transformer on top of telephone pole; Transformer looks corroded but intact; No evidence of release	SB-H6-12-01	SB-H6-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H6-4	Electric Transformer	Small electric transformer on telephone pole; Transformer looks corroded but intact; No evidence of release	SB-H6-4-01	SB-H6-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H6-7	Electric Transformer	Electric transformer mounted to telephone pole; Gray in color, with minor rust on housing; No evidence of release	SB-H6-7-01	SB-H6-7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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Development Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H6-8152A H6-8152B	Main Office Septic Tanks	Two vent pipes present only; Area covered with vegetation; (one sludge sample taken from each during Single Phase Remediation effort); No evidence of release	TP-H6-8152A/8152B	TP-H6-8152A/8152B	One Test Pit taken for both septics using professional judgement for location	No New Jersey Soil Cleanup Criteria Exceedances
H6-8247	Experimental Laboratory Store House	Brick structure on a concrete foundation; A lead pipe exits the building to septic tank; Two doors on the W side; No evidence of release	SB-H6-8247-01 through SB-H6-8247-05	SB-H6-8247-02 SB-H6-8247-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H6-8251	Smokeless Magazine	Very old stone structure that has collapsed on itself; No evidence of release	SB-H6-8251-01 through SB-H6-8251-04	SB-H6-8251-03 SB-H6-8251-02	Sampling location SB-H6-8251-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-8251-02.	No New Jersey Soil Cleanup Criteria Exceedances
H6-8275	Nitrocellulose Storage	Wooden structure used to house NC; No evidence of release	SB-H6-8275-01 through SB-H6-8275-04	SB-H6-8275-02 SB-H6-8275-04	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-H6-8275-02. A confirmation sample was collected at SB-H6-8275-04. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
H6-862	Test House	Cement structure with door on the W side; Steam enters from N, steam drain to S; No evidence of release	SB-H6-862-01 through SB-H6-862-05	SB-H6-862-04 SB-H6-862-01	Sampling location SB-H6-862-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-862-01.	No New Jersey Soil Cleanup Criteria Exceedances
H6-9	Electric Transformer	New electric transformer mounted to telephone pole; Gray colored housing with no discoloration; No evidence of release	SB-H6-9-01	SB-H06-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H6-918	Building 918	Area currently covered with gravel/soil/vegetation; Electrical connections/pole at SW corner; Area adjacent to H6-8152A; No evidence of release	SB-H6-918-01 through SB-H6-918-05	SB-H6-918-01 SB-H6-918-03	Sampling location SB-H6-918-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-918-03.	No New Jersey Soil Cleanup Criteria Exceedances
H6-941(C)	Cap Test Area	Former building has been completely removed; All that remains is an elevated grass area; No evidence of release	SB-H6-941C-01 through SB-H6-941C-05	SB-H6-941C-02 SB-H6-941C-03	Sampling location SB-H6-941C-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H6-941C-03.	No New Jersey Soil Cleanup Criteria Exceedances

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Development Area NFA Justification
Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H7-1	General Laboratory Discharge Area	Concrete containment basin listed as "water and contents partially unknown"; 2" steel vent (?) pipe present; No evidence of release	TP-H7-1-01	TP-H7-1-01	Test Pit location placed downgradient from the sump	No New Jersey Soil Cleanup Criteria Exceedances
H7-10	Electric Transformer	Black with some dark gray discoloration; No evidence of release	SB-H7-10-01	SB-H7-10-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-12	Unknown Tank	Steel lid cast in concrete covers water filled tank; Steel or metal sidewalls; Clear water inside-expected septic tank	TP-H7-12-01	TP-H7-12-01	Test Pit location was placed downgradient from the septic	No New Jersey Soil Cleanup Criteria Exceedances
H7-2	Electric Transformer	Intact transformer on telephone pole; No evidence of release	SB-H7-2-01	SB-H7-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-4	Unknown	Unknown bldg.	SB-H7-4-01 through SB-H7-4-04	SB-H7-4-04 SB-H7-4-02	Sampling location SB-H7-4-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-4-02.	No New Jersey Soil Cleanup Criteria Exceedances
H7-5	Unknown Trailer	Wooden construction sided trailer-recent installation; No evidence of release	SB-H7-5-01 through SB-H7-5-04	SB-H7-5-01 SB-H7-5-02	Sampling location SB-H7-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-4-02.	No New Jersey Soil Cleanup Criteria Exceedances
H7-6	Unknown	Building demolished, area currently covered by vegetation; Location determined from historical maps; No evidence of release	SB-H7-6-01 through SB-H7-6-03	SB-H7-6-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-8124	SW Sampler Concrete Pad	Concrete pad constructed for mounting surface water sampler. No evidence of release	SB-H7-8124-01 through SB-H7-8124-04	SB-H7-8124-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-8134	Glaze House Scrap Shed	Temporary storage shed built of wooden and corrugated metal. No evidence of release	SB-H7-8134-01 through SB-H7-8134-04	SB-H7-8134-02 SB-H7-8134-04	Sampling location SB-H7-8134-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8134-04.	No New Jersey Soil Cleanup Criteria Exceedances
H7-8146	Store House	Wood structure on concrete footers; Duct and electric on W side to H7-8145; No evidence of release	SB-H7-8146-01 through SB-H7-8146-04	SB-H7-8146-03 SB-H7-8146-04	Sampling location SB-H7-8146-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8146-04.	No New Jersey Soil Cleanup Criteria Exceedances

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Development Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H7-8176	Mix House	Building covered in earth with an earthen berm to the N; Electric and steam supplied to building; No evidence of release	SB-H7-8176-01 through SB-H7-8176-04	SB-H7-8176-01 SB-H7-8176-02	Sampling location SB-H7-8176-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8176-02.	No New Jersey Soil Cleanup Criteria Exceedances
H7-8248	Chemical Storage	Wooden construction on wooden railroad tie foundation; Tar-like seep to rear	SB-H7-8248-01 through SB-H7-8248-04	SB-H7-8248-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-8282	Motor House	Wooden structure on concrete slaboratory that houses an electric motor. Motor has leaked oil and is reaching the ground via E door	SB-H7-8282-01 through SB-H7-8282-04	SB-H7-8282-03 SB-H7-8282-02	Sampling location SB-H7-8282-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8282-02.	No New Jersey Soil Cleanup Criteria Exceedances
H8-8177	Glazing House	Corrugated cylindrical metal room covered in soil; Small barrel house-sheet metal front; No evidence of release	SB-H8-8177-01 through SB-H8-8177-02	SB-H8-8177-01 SB-H8-8177-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H8-8179	Glaze/Blend House	Corrugated cylindrical metal room covered in soil-sheet metal front Small glazing house with electrical controls for "barrel". No evidence of release	SB-H8-8179-01 through SB-H8-8179-02	SB-H8-8179-01 SB-H8-8179-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I5-1	Nitrogen Laboratory Substation	Three 1.5' cylindrical transformers mounted on steel I-beams between two poles. No evidence of release	SB-I5-1-01 through SB-I5-1-03	SB-I5-1-01 SB-I5-1-02 SB-I5-1-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I5-7	Truck Spill	Area currently covered with vegetation; Minimal evidence of previous truck spill; No evidence of release (area = 2,600 sq ft)	SB-I5-7-01 through SB-I5-7-09	SB-I5-7-05 SB-I5-7-01	Sampling location SB-I5-7-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-7-01.	No New Jersey Soil Cleanup Criteria Exceedances
I5-8168	Instrument House	Concrete rubble, reinforcing bar, sheet metal, and 1" pipe remain where this building previously stood. No evidence of release	SB-I5-8168-01 through SB-I5-8168-05	SB-I5-8168-02 SB-I5-8168-01	Sampling location SB-I5-8168-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-8168-01.	No New Jersey Soil Cleanup Criteria Exceedances
I5-8169	Drop Test House	Building demolished, only concrete and reinforced pipe remain. No evidence of release (area=100 sq ft)	SB-I5-8169-01 through SB-I5-8169-04	SB-I5-8169-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I6-3	Unknown	Very old wooden structure, probably used for storage; No evidence of release	SB-I6-3-01 through SB-I6-3-04	SB-I6-3-04 SB-I6-3-03	Sampling location SB-I6-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-3-03.	No New Jersey Soil Cleanup Criteria Exceedances

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Development Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I6-8	Solvent Storage Shed	Wood and steel structure used to store solvents 20 gal neutrualization tank and two old acid carboys remain. No evidence of release	SB-I6-8-01 through SB-I6-8-04	SB-I6-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I6-8171C	Finished Product Bay	Wood and steel building located within the berm of I6-8171. No evidence of release	SB-I6-8171C-01 through SB-I6-8171C-03	SB-I6-8171C-01 SB-I6-8171C-03	Sampling location SB-I6-8171C-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8171C-04.	No New Jersey Soil Cleanup Criteria Exceedances
I6-8174	NG Storage Shed	Concrete building surrounded by an earthen berm; No evidence of release	SB-I6-8174-01 through SB-I6-8174-04	SB-I6-8174-02 SB-I6-8174-04	Sampling location SB-I6-8174-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8174-04.	No New Jersey Soil Cleanup Criteria Exceedances
I6-8175	Sieve Storage House	Small wooden structure used to house sieves; No evidence of release	SB-I6-8175-01 through SB-I6-8175-04	SB-I6-8175-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I6-8181	Unknown	Building has been removed, all that remains is a slightly disturbed area. Location based on historical maps and topography. No evidence of release	SB-I6-8181-01 through SB-I6-8181-03	SB-I6-8181-01 SB-I6-8181-02	Sampling location SB-I6-8181-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8181-02.	No New Jersey Soil Cleanup Criteria Exceedances
I6-8263	Experimental Smokeless Store	Steel shed-like structure that contains glassware; No evidence of release	SB-I6-8263-01 through SB-I6-8263-04	SB-I6-8263-01 SB-I6-8263-02	Sampling location SB-I6-8263-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-8263-02.	No New Jersey Soil Cleanup Criteria Exceedances
I6-E4	High Energy Laboratory Scrap Shed	Small steel and wood shed with a waste barrel and old powder can inside. No evidence of release.	SB-I6-E4-01 through SB-I6-E4-04	SB-I6-E4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J5-4	Former Dynamite Test Area	Location estimated from historical maps	SB-J5-4-01 through SB-J5-4-03	SB-J5-4-02 SB-J5-4-01	Sampling location SB-J5-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J5-4-01.	No New Jersey Soil Cleanup Criteria Exceedances
J6-1	Earthen Pit	Earthen pit dug out of the hill that may have been associated with J6-8133, but the use is unknown. No evidence of release	SB-J6-1-01 through SB-J6-1-04	SB-J6-1-04 SB-J6-1-01	Sampling location SB-J6-1-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-1-01.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J6-4	Electric Transformer	Old transformer on pole, it is rusted and may have released. However, there is no evidence of release.	SB-J6-4-01	SB-J6-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J6-5	Electric Transformer	Small intact transformer on pole; No evidence of release	SB-J6-5-01	SB-J6-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J6-6	Unknown	Very old stone foundation, all remnants of structure have been removed Old metal pipe and reinforcing bar remain, 20' S of building lies a white crystalline material (area=500 sq ft). No evidence of release within the footprint of the building	SB-J6-6-01 through SB-J6-6-05	SB-J6-6-01 SB-J6-6-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J6-8	Electric Transformer	Old transformer on pole, it is leaking oil; There is a discolored area at the base of the pole	SB-J6-8-01	SB-J6-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J6-9200	Conditioning Bay	Small aluminum and wooden structure, the rear of the building appears to have caught fire with burnt wood and molten aluminum near an air handler. No evidence of release.	SB-J6-9200-01 through SB-J6-9200-04	SB-J6-9200-02 SB-J6-9200-01	Sampling location SB-J6-9200-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-9200-01.	No New Jersey Soil Cleanup Criteria Exceedances
K5-4	Earthen Pit	Earthen pit associated with K5-9213, use unknown; May be where material was excavated for the berm; No evidence of release	SB-K5-4-01 through SB-K5-4-04	SB-K5-4-01 SB-K5-4-02	Sampling location SB-K5-9213-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K5-4-02.	No New Jersey Soil Cleanup Criteria Exceedances
K5-9213	Experimental Dynamite Magazine	Old wood and steel sided structure with a lead floor and protected by a berm Building was service by rail line with loading area. No evidence of release	SB-K5-9213-01 through SB-K5-9213-05	SB-K5-9213-03 SB-K5-9213-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K6-2	Earthen Pit	Earthen pit cut out of the side of the hill; Some old railroad and berm material in NW corner; No evidence of release (area=900 sq ft)	SB-K6-2-01 through SB-K6-2-04	SB-K6-2-03 SB-K6-2-02	Sampling location SB-K6-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K6-2-02.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
K6-529	Dry House	Square rather than rectangular dry houses as before; Only concrete footers remain; No evidence of release	SB-K6-529-01 through SB-K6-529-05	SB-K6-529-02 SB-K6-529-01	Sampling location SB-K6-529-02 was determined using XRF screening; Results indicated a lead concentration of 449 ppm at SB-K6-529-02. A confirmation sample was collected at SB-K6-529-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
L5-11	Electric Transformer	Intact electric transformer on telephone pole; No evidence of release	SB-L5-11-01	SB-L5-11-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L6-3	Heater House	Only small depression in the ground remains of the building that formerly housed the heater to dry house 370. No evidence of release (area=200 sq ft)	SB-L6-3-01 through SB-L6-3-03	SB-L6-3-02 SB-L6-3-01	Sampling location SB-L6-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-3-01.	No New Jersey Soil Cleanup Criteria Exceedances
L6-4	Heater House	Only small depression in the ground remains of the buildings that formerly housed the heaters to dry houses. No evidence of release (area=900 sq ft)	SB-L6-4-01 through SB-L6-4-04	SB-L6-4-02 SB-L6-4-03	Sampling location SB-L6-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-4-03.	No New Jersey Soil Cleanup Criteria Exceedances
L6-5	Earthen Pit	Small shallow earthen pit that may have been used as a heater house or for berm material. No evidence of release (area=500 sq ft)	SB-L6-5-01 through SB-L6-5-02	SB-L6-5-01 SB-L6-5-02	Sampling location SB-L6-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-5-02.	No New Jersey Soil Cleanup Criteria Exceedances
M4-2	Electric Transformer	Small electric transformer on telephone poles; Transformer looks corroded but intact; Potential S.V. at the base of the pole	SB-M4-2-01	SB-M4-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M5-10	Septic Tank	Underground septic tank; Evidence of existence is a vent pipe and a clean out pipe (one sludge sample taken during Single Phase Remediation effort)	TP-M5-10-01	TP-M5-10-01	Test Pit location placed downgradient from septic	No New Jersey Soil Cleanup Criteria Exceedances
M5-11	Small Storage Shed	Small steel structure used to store E & E for testing; No evidence of a release	SB-M5-11-01 through SB-M5-11-04	SB-M5-11-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M5-12	Former Shed	Probably used for shooting pond operations; All that remains is an old partially destroyed wooden floor No evidence of release (area=100 sq ft)	SB-M5-12-01 through SB-M5-12-03	SB-M5-12-03	Sampling location SB-M5-12-03 was determined using XRF screening; Results indicated a lead concentration of 449 ppm at SB-M5-12-03. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
M5-13	Storage Shed	Armored storage for E & E materials for testing; Berm to N protecting the shooting pond buildings; No evidence of release	SB-M5-13-01 through SB-M5-13-04	SB-M5-13-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M5-14	Storage Shed	Small wooden structure used to house blasting caps; Several hundred caps stored in plastic bags; No evidence of release	SB-M5-14-01 through SB-M5-14-04	SB-M5-14-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M5-15	Storage Shed	Locked, small steel shed used to house materials for the shooting pond. No evidence of release	SB-M5-15-01 through SB-M5-15-04	SB-M5-15-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M5-8166	Shooting Pond House	Earthen covered building used to test explosives at shooting pond; Building has three main rooms No evidence of a release	SB-M5-8166-01 through SB-M5-8166-07	SB-M5-8166-01 SB-M5-8166-03	Sampling location SB-M5-8166-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166-03.	No New Jersey Soil Cleanup Criteria Exceedances
M5-8166A-B-C	Storage Shed	Long, thin aluminum shed used to store pipes, test plates, and alcohol. No evidence of release.	SB-M5-8166A-B-C-01 through SB-M5-8166A-B-C-03	SB-M5-8166A-B-C-03 SB-M5-8166A-B-C-01	Sampling location SB-M5-8166A-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166A-01.	No New Jersey Soil Cleanup Criteria Exceedances
M5-8166D	Pump House	Small aluminum and wood structure that contains electric motor and water pump that once pumped water from shooting pond in emergencies; No evidence of release	SB-M5-8166D-01 through SB-M5-8166D-04	SB-M5-8166D-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
N5-8	Plastic Debris Piles 1,2,3	Each pile consists of scrap plastic from detonations at shooting pond There may be residual explosives associated with debris (area=700 sq ft)	SB-N5-8-01 through SB-N5-8-06	SB-N5-8-01 SB-N5-8-03 SB-N5-8-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Diazo Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H8-2181	Diazo Plant	Bldg demolished-only concrete rubble remains; circular brick structure present (4' outside diameter) to NW corner; No evidence of release	SB-H8-2181-01 through SB-H8-2181-05	SB-H8-2181-01 SB-H8-2181-05	Sampling location SB-H08-2181-01 was determined using professional judgement Screening results did not warrant biased sampling; A confirmation sample was taken at SB-H08-2181-05	No New Jersey Soil Cleanup Criteria Exceedances
H8-69F	Ingredients Store	Bldg demolished-evidence of former bldg largely removed; No evidence of release	SB-H8-69F-01 through SB-H8-69F-03	SB-H8-69F-01 SB-H8-69F-02	Sampling location SB-H8-69F-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H8-69F-02.	No New Jersey Soil Cleanup Criteria Exceedances
H8-9121	Nitric Acid Storage	Bldg demolished; concrete rubble remains as indication of former tank location; No evidence of release	SB-H8-9121-01 through SB-H8-9121-04	SB-H8-9121-02 SB-H8-9121-03 SB-H8-9121-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 404 ppm at SB-H8-9121-02. A confirmation sample was taken at SB-H8-9121-04. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Maintenance Area NFA Justification
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
F10-19	Concrete Sumps	Three concrete sumps: one with float switch and pump, one with float switch only, one similar to PA6 wastewater pit. Oily sheen in rectangular sump	TP-F10-19-01	TP-F10-19-01	Test Pit location was taken downgradient from the sumps	No New Jersey Soil Cleanup Criteria Exceedances
F10-37B	Unknown	Bldg demolished-evidence largely removed; bldg debris present, brick, concrete; no foundation evident. No evidence of release.	SB-F10-37B-01 through SB-F10-37B-03	SB-F10-37B-02 SB-F10-37B-03	Sampling location SB-F10-37B-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-37B-03	No New Jersey Soil Cleanup Criteria Exceedances
F11-2292	Scrap Shed	Shed demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-2292-01 through SB-F11-2292-03	SB-F11-2292-03 SB-F11-2292-02	Sampling location SB-F11-2292-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-2292-02	No New Jersey Soil Cleanup Criteria Exceedances
F11-456	Hospital	Building demolished, minor amounts of concrete rubble present. Location determined from rubble and maps. No evidence of release	SB-F11-456-01 through SB-F11-456-05	SB-F11-456-02 SB-F11-456-01	Sampling location SB-F11-456-02 was determined using XRF screening; Results indicated a lead concentration of 582 ppm. A confirmation sample was collected at SB-F11-456-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F12-4	Wagon Shed	Building demolished, area currently covered by vegetation; Location determined from maps; No evidence of release	SB-F12-4-01 through SB-F12-4-03	SB-F12-4-03 SB-F12-4-01	Sampling location SB-F12-4-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-4-01	No New Jersey Soil Cleanup Criteria Exceedances
F12-F6	Cotton Breaker Scrap Shed	Building demolished, area currently covered by vegetation; Location determined from maps; No evidence of release	SB-F12-F6-01 through SB-F12-F6-03	SB-F12-F6-02 SB-F12-F6-01	Sampling location SB-F12-F6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-F6-01	No New Jersey Soil Cleanup Criteria Exceedances
G10-108B	Resin Store	Building demolished, old concrete foundation with attached rebar and 4" and 8" pipes entering the ground remain. No evidence of release.	SB-G10-108B-01 through SB-G10-108B-05	SB-G10-108B-04 SB-G10-108B-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G10-13	Unknown	Wooden shed on concrete foundation with controls for Bldg. 9106. No evidence of release	SB-G10-13-01 through SB-G10-13-03	SB-G10-13-01 SB-G10-13-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G10-13-02	No New Jersey Soil Cleanup Criteria Exceedances
G10-459	Boiler House	Building demolished, only concrete pad remains; Piles of burnt shotgun shells evident; No evidence of release	SB-G10-459-01 through SB-G10-459-05	SB-G10-459-05 SB-G10-459-04	Sampling location SB-G10-459-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G10-459-04	No New Jersey Soil Cleanup Criteria Exceedances
G10-8216	Paint Storage Release	Area currently covered by dark black slag material	SB-G10-8216-01 through SB-G10-8216-03	SB-G10-8216-01 SB-G10-8216-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G10-8216-02	No New Jersey Soil Cleanup Criteria Exceedances
G10-AAP1	Alcohol/Acetone Pipeline	Feed to B-Line area mixer (2188) from the maintenance area storage tanks. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
G10-BRP1	Brine Pipeline	6" pipeline which leads from ammonia cooler tank (adjacent toPowerhouse) to 8691-NG area brine tank; possibly associated mixed acid or acid pipe which is not marked from 9106 to this AOC			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances

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G10-MAP1	Mixed Acid Pipelines	4"acid feed line to NG (2230) Hill from nitric/sulfuric acid storage tanks. No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
G10-MAP2	Mixed Acid Pipeline	Feed to Bldg. 9106 from H11-4. No evidence of release.			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
G10-OP1	Oil Pipeline	Oil pipeline from Bldg. G10-8681 to Bldg. G10-8501: soil stained dark black at flag # 3			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
G11-253	Sample Smokeless Powder Mag. #2	Remnant Building, location determined from historical maps	SB-G11-253-01 through SB-G11-253-03	SB-G11-253-03 SB-G11-253-01	Sampling location SB-G11-253-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G11-253-01	No New Jersey Soil Cleanup Criteria Exceedances
G11-4	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release.	SB-G11-4-01	SB-G11-4-01	Sample collected at base of former pole	No New Jersey Soil Cleanup Criteria Exceedances
G12-12	Granary	Remnant Building, location determined from historical maps	SB-G12-12-01 through SB-G12-12-03	SB-G12-12-01 SB-G12-12-03	Sampling location SB-G12-12-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-12-03	No New Jersey Soil Cleanup Criteria Exceedances
G12-6	Unknown Concrete Pad	Small concrete pad with wooden box mounted on top; No evidence of release	SB-G12-6-01 through SB-G12-6-04	SB-G12-6-04 SB-G12-6-03	Sampling location SB-G12-6-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-6-03	No New Jersey Soil Cleanup Criteria Exceedances
G12-7	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release	SB-G12-7-01	SB-G12-7-01	Sample collected at base of pole, transformer has been removed XRF results indicated an arsenic concentration of 175 ppm An additional metals sample needs to be taken at this AOC Analytical results did not detect elevted metal concentrations	No New Jersey Soil Cleanup Criteria Exceedances
G12-8203	Equipment Shed	Wooden and corrugated sheet metal construction over concrete foundation with garage doors facing street, and loading doors on N and E corners. Currently used for tractor storage. No evidence of release.	SB-G12-8203-01 through SB-G12-8203-06	SB-G12-8203-01 SB-G12-8203-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G8-A12	Scrap Shed	Bldg demolished; minimal evidence of former shed; wood chips present at former foundation location. No evidence of release	SB-G8-A12-01 through SB-G8-A12-05	SB-G8-A12-05 SB-G8-A12-01	Sampling location SB-G8-A12-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-A12-02	No New Jersey Soil Cleanup Criteria Exceedances
G9-1	Diesel Fuel Storage Tank	Demolished-tank and former cradle removed; largely vegetated; No evidence of release	SB-G9-1-01 through SB-G9-1-03	SB-G9-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G9-8105	Machine Shop	Brick shop built on concrete foundation; concrete gutter along SE side. No evidence of release.	SB-G9-8105-01 through SB-G9-8105-07	SB-G9-8105-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 488 ppm at SB-G09-8105-05 Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
G9-8205	Electrical Shop	Only concrete footer remains along SE and portion of SW side; bldg demolished; sign for former bldg present.No evidence of release.	SB-G9-8205-01 through SB-G9-8205-05	SB-G9-8205-05 SB-G9-8205-02	Sampling location SB-G9-8205-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-8205-02	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H10-1	Storage Tank	Concrete block containment structure, storage tank removed. No evidence of release.		SB-H10-1-02	This AOC is located on H10-10, a concrete pad. It has been combined with H10-10	No New Jersey Soil Cleanup Criteria Exceedances
H10-2260	Screen Burner	Sheet metal construction with minor rust and black staining along bottom of sheet metal walls. Small heater unit on SW corner. No evidence of release.			This AOC is located on H10-10, a concrete pad. It has been combined with H10-10	No New Jersey Soil Cleanup Criteria Exceedances
H10-9101	Nitric Acid Storage Tanks	Building demolished, only concrete footer outline locations remain. No evidence of release.	SB-H10-9101-01 through SB-H10-9101-05	SB-H10-9101-03 SB-H10-9101-02	Sampling location SB-H10-9101-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H10-9101-02	No New Jersey Soil Cleanup Criteria Exceedances
H10-9102	Tank	Tank removed, minor evidence of former concrete foundation. Area largely vegetated. No evidence of release.	SB-H10-9102-01 through SB-H10-9102-03	SB-H10-9102-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H10-MAP3	Mixed Acid Pipeline	Acid pipeline which connects H10-9103 and G10-9100; nitric acid line ended at N corner of 9103 but may continue on; not evident. No evidence of release.			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
H11-10	Tanks	Tanks demolished, rubble and building debris evident; Location determined from maps; No evidence of release	SB-H11-10-01 through SB-H11-10-03	SB-H11-10-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H11-12	Electric Transformer	Black housing with minor amounts of discoloration present. No evidence of release.	SB-H11-12-01	SB-H11-12-01	Sample taken at site of former transformer	No New Jersey Soil Cleanup Criteria Exceedances
H11-2	Unknown	Building demolished, concrete pad remains; Largely vegetated area, however extent of building evident No evidence of release	SB-H11-2-01 through SB-H11-2-04	SB-H11-2-02 SB-H11-2-03	Sampling location SB-H11-2-02 was determined using XRF screening Results indicated a lead concentration of 1,010 ppm. A confirmation sample was collected at SB-H11-2-03. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
H11-2295	Cotton House/ Paint House	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H11-2295-01 through SB-H11-2295-03	SB-H11-2295-02 SB-H11-2295-01	Sampling location SB-H11-2295-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-2295-01	No New Jersey Soil Cleanup Criteria Exceedances
H11-510	Temp. Soda Storage	Remnant Building, location determined from historical maps	SB-H11-510-01 through SB-H11-510-03	SB-H11-510-03 SB-H11-510-01	Sampling location SB-H11-510-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-510-01	No New Jersey Soil Cleanup Criteria Exceedances
H11-696	Unknown	Building demolished, concrete pad remains. Largely vegetated area, brick building debris and slag from rail line present. No evidence of release.	SB-H11-696-01 through SB-H11-696-03	SB-H11-696-01 SB-H11-696-02	Group B E&E materials were detected at SB-H11-696-01 using an Expray Test Kit A confirmation sample was collected at SB-H11-696-02 Analytical results did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances
H11-697	Unknown	Building demolished, concrete pad remains. Largely vegetated area, brick building debris and slag from rail line present. No evidence of release.	SB-H11-697-01 through SB-H11-697-04	SB-H11-697-01 SB-H11-697-02	Sampling location SB-H11-697-01 was determined using XRF screening; Results indicated an arsenic concentration of 256 ppm. A confirmation sample was collected at SB-H11-697-02. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-33

Maintenance Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H11-762	Unknown	Building demolished, only concrete pad remains; No evidence of release	SB-H11-762-01 through SB-H11-762-03	SB-H11-762-03 SB-H11-762-02	Sampling location SB-H11-762-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-762-02	No New Jersey Soil Cleanup Criteria Exceedances
H11-9307	Ingredient Store	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H11-9307-01 through SB-H11-9307-03	SB-H11-9307-02 SB-H11-9307-01	Sampling location SB-H11-9307-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-9307-01	No New Jersey Soil Cleanup Criteria Exceedances
H12-3	Baled Bag Store #9	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-3-01 through SB-H12-3-03	SB-H12-3-01 SB-H12-3-02	Sampling location SB-H12-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-3-02	No New Jersey Soil Cleanup Criteria Exceedances
H12-4	Baled Bag Store #10	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-4-01 through SB-H12-4-03	SB-H12-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H12-5	Pulp and Sawdust Store #4	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-5-01 through SB-H12-5-03	SB-H12-5-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H12-689	Nut Shell Grinder	Building demolished, structure and foundation not evident; Location determined from maps; No evidence of release	SB-H12-689-01 through SB-H12-689-03	SB-H12-689-03 SB-H12-689-01	Sampling location SB-H12-689-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-689-01	No New Jersey Soil Cleanup Criteria Exceedances
H12-8607	Water Treatment Building	Concrete block pad with three pipes entering the ground; No evidence of release	SB-H12-8607-01 through SB-H12-8607-04	SB-H12-8607-04 SB-H12-8607-01	Sampling location SB-H12-8607-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-8607-01	No New Jersey Soil Cleanup Criteria Exceedances
H13-5	Electric Transformer	Gray colored with minor rust staining; No evidence of release	SB-H13-5-01	SB-H13-5-01	Sample collected at base of pole	No New Jersey Soil Cleanup Criteria Exceedances
H13-8158A	Unknown Pit	Posted as a confined space, possibly a wastewater pit; Concrete block sump with asphalt and shingle roof; No evidence of release	TP-H13-8158A-01	TP-H13-8158A-01	Test Pit location placed downgradient of the sump.	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-33

Maintenance Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H9-1	Former Tank Field	Currently a pine forest, some evidence of what appears to be concrete associated with four cradles. No evidence of release.	SB-H9-1-01 through SB-H9-1-08	SB-H9-1-03 SB-H9-1-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H9-3	Unknown	Building demolished, some concrete block present. S edge of building has line of stressed vegetation (area=700 sq ft)	SB-H9-3-01 through SB-H9-3-04	SB-H9-3-01 SB-H9-3-03	Sampling location SB-H9-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H9-3-03	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-34

B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I11-6	Septic Tank	Unassociated septic tank, previously unidentified; one sludge sample taken during FEC effort	TP-I11-6-01	TP-I11-6-01	A Test Pit was dug downgradient from the septic tank.	No New Jersey Soil Cleanup Criteria Exceedances
J10-6	Smokeless Powder Storage	Building demolished, largely vegetated area; Mound and stone foundation indicates storehouse; No evidence of a release	SB-J10-6-01 through SB-J10-6-05	SB-J10-6-01 SB-J10-6-05	Sampling locatione were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J10-609	Office Change House	Remnant Building, location determined from historical r	SB-J10-609-01 through SB-J10-609-03	SB-J10-609-02 SB-J10-609-01	Sampling location SB-J10-609-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J10-609-01.	No New Jersey Soil Cleanup Criteria Exceedances
J11-11	Septic Tank	Minimal evidence, 6" vent pipe protruding from ground; Location determined from historical maps; No evidence of a release	TP-J11-11-01	TP-J11-11-01	Test Pit location downgradient from septic tank.	No New Jersey Soil Cleanup Criteria Exceedances
J11-14	Final Mix #3	Building demolished, currently a vegetated area; Location determined from historical maps; No evidence of a release	SB-J11-14-01 through SB-J11-14-03	SB-J11-14-03 SB-J11-14-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-14-03. A confirmation sample was collected at SB-J11-14-01	No New Jersey Soil Cleanup Criteria Exceedances
J11-602A	Scrap Smokeless Powder	Building demolished, area has been covered with aggregate(area<100 sq ft); Location determined from historical maps; No evidence of a release	SB-J11-602A-01 through SB-J11-602A-03	SB-J11-602A-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-602A-01 Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
J11-7	Former Tanks	Demolished, tank cradles removed; Gravel, slag-like material covers area; Location determined from historical maps; No evidence of a release	SB-J11-7-01 through SB-J11-7-03	SB-J11-7-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-7-01 Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
J11-8265A	Store House Tank	Tank cradles and tank removed, footers demolished; Largely vegetated area, location determined from maps; No evidence of a release	SB-J11-8265A-01 through SB-J11-8265A-03	SB-J11-8265A-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8265A-03 Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
J11-B20	Building B-20	Building demolished, one concrete footer remaining with rubble. No evidence of a release (area=100 sq ft).	SB-J11-B20-01 through SB-J11-B20-03	SB-J11-B20-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 697 ppm at SB-J11-B20-02. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

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B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J11-B83	Unknown Storage Shed	Corrugated metal shed on concrete foundation; Electrical wire connections to NE corner; No evidence of a release	SB-J11-B83-01 through SB-J11-B83-04	SB-J11-B83-01 SB-J11-B83-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-B83-01. A confirmation sample was collected at SB-J11-B83-03. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
J12-2	Unknown	Large concrete footers with concrete basin reinforced with steel I-Beams, possible powder grinder. No evidence of release, however slag present.	SB-J12-2-01 through SB-J12-2-05	SB-J12-2-03 SB-J12-2-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J12-2-03. A confirmation sample was collected at SB-J12-2-02. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
K10-6	Tank Cradles	Small concrete and rebar tank cradles; Adjacent to stressed vegetation (K10-5)	SB-K10-6-01 through SB-K10-6-04	SB-K10-6-02 SB-K10-6-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K10-602B	Smokeless Powder Storage	Building demolished, mound of soil surrounded by old stone foundation. Adjacent to rail line. No evidence of a release (area=800 sq ft).	SB-K10-602B-01 through SB-K10-602B-04	SB-K10-602B-03 SB-K10-602B-02	Sampling location SB-K10-602B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-602B-02.	No New Jersey Soil Cleanup Criteria Exceedances
K10-79A	Record Storage	Grass and vegetation covered area; Location determined from historical maps; No evidence of a release	SB-K10-79A-01 through SB-K10-79A-03	SB-K10-79A-01 SB-K10-79A-03	Sampling location SB-K10-79A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-79A-03.	No New Jersey Soil Cleanup Criteria Exceedances
K11-2225A	Coating House Discharge	Same construction as valve box except ceramic pipe enters on NE and SE side. Sump associated with the building. No evidence of a release.	TP-K11-2225A-01	TP-K11-2225A-01	Test Pit location placed downgradient from the sump.	No New Jersey Soil Cleanup Criteria Exceedances
K11-2225C	Paraplex Feed Line	Feed line for barrel coating house from paraplex tank; No evidence of a release			Line removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
K11-2302A	Cut and Rest House Discharge/Ditch	Drainage/Discharge from Bldg. 2302A; Culvert filled in to allow roadway passage; No evidence of a release (area=3,400 sq ft)			This AOC has been referred to the Surface Water/Sediment Investigation	No New Jersey Soil Cleanup Criteria Exceedances
K11-5	Electrical Transformer	Transformer mounted to telephone pole; No evidence of corrosion or release	SB-K11-5-01	SB-K11-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
K11-607	Cutting House #4	Remnant Building, location determined from historical r	SB-K11-607-01 through SB-K11-607-03	SB-K11-607-02 SB-K11-607-01	Sampling location SB-K11-607-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-607-01.	No New Jersey Soil Cleanup Criteria Exceedances
K11-B2	Press and Cut House Scrap Shed	Building demolished, minimal evidence of buildings present; Location determined from historical maps. No evidence of a release.	SB-K11-B2-01 through SB-K11-B2-03	SB-K11-B2-01 SB-K11-B2-03	Sampling location SB-K11-B2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-B2-03.	No New Jersey Soil Cleanup Criteria Exceedances
K11-B3	Barrel Coat Scrap Shed	Building demolished, moss-covered foundation remains; No evidence of a release	SB-K11-B3-01 through SB-K11-B3-03	SB-K11-B3-02 SB-K11-B3-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-K11-B3-02. A confirmation sample was collected at SB-K11-B3-01. Analytical result did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances
K9-1	Unknown	Small storage shed of wooden construction; No evidence of a release	SB-K9-1-01 through SB-K9-1-04	SB-K9-1-02 SB-K9-1-01	Sampling location SB-K9-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K9-1-01.	No New Jersey Soil Cleanup Criteria Exceedances
K9-4	Earth Mound Barricade	Remnant Building, location determined from historical r	SB-K9-4-01 through SB-K9-4-03	SB-K9-4-02 SB-K9-4-01	Sampling location SB-K9-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K9-4-01.	No New Jersey Soil Cleanup Criteria Exceedances
L10-1	Unknown	Building demolished, only foundation remains; Probably associated with L09-8210; No evidence of a release (area=100 sq ft). Septic associated with the building.	SB-L10-1-01 through SB-L10-1-03 TP-L10-1A-01	SB-L10-1-02 TP-L10-1A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L10-4	Unknown	Two foundations associated with L10-2191. No evidence of former buildings. No evidence of a release.	SB-L10-4-01 through SB-L10-4-05	SB-L10-4-05 SB-L10-4-02	Sampling location SB-L10-4-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-4-02.	No New Jersey Soil Cleanup Criteria Exceedances
L10-8521	B-Line Substation	Three large transformers with associated insulators; No evidence of a release	SB-L10-8521-01 through SB-L10-8521-03	SB-L10-8521-01 SB-L10-8521-02 SB-L10-8521-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L9-3	Electrical Transformer	Transformer mounted to telephone pole; Black in color with some gray-green discoloration; No evidence of corrosion or release	SB-L9-3-01	SB-L9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L9-79B	Record Storage	Grass and vegetation covered area; Location determined from historical maps; No evidence of a release	SB-L9-79B-01 through SB-L9-79B-03	SB-L9-79B-01 SB-L9-79B-03	Sampling SB-L9-79B-01 location was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L9-79B-03.	No New Jersey Soil Cleanup Criteria Exceedances
M10-2	Electrical Transformer	Transformer at base of pole; Corroded but intact, possible S.V. at base of pole	SB-M10-2-01	SB-M10-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M10-4	Stressed Vegetation	Stressed vegetation near location of former toilet; Some foundation debris and brick present; Gray-green color (area=100 sq ft)	SB-M10-4-01 through SB-M10-4-03	SB-M10-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M10-8	Electrical Transformer	Older with black colored housing, some discoloration to gray. No stressed soil below, no evidence of release.	SB-M10-8-01	SB-M10-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M10-B14	Toilet	Building demolished, currently overgrown with vegetation; Location determined from historical maps; Adjacent stressed vegetation	SB-M10-B14-01 through SB-M10-B14-03	SB-M10-B14-01 SB-M10-B14-02	Sampling location SB-M10-B14-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-B14-02.	No New Jersey Soil Cleanup Criteria Exceedances
M8-3	Concrete Pad	Cement pad associated with adjacent cabinet dryer. There is some melted aluminum on the pad and an old steam trap. No evidence of a release.	SB-M8-3-01 through SB-M8-3-05	SB-M8-3-01 SB-M8-3-02	Sampling location SB-M8-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M8-3-02.	No New Jersey Soil Cleanup Criteria Exceedances
M9-2292	Waste Powder Shed	Building has been completely removed; Location based on historical map and topography; No evidence of a release	SB-M9-2292-01 through SB-M9-2292-03	SB-M9-2292-01 SB-M9-2292-02	Sampling location SB-M9-2292-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M9-2292-02.	No New Jersey Soil Cleanup Criteria Exceedances
M9-5	Unknown	Concrete footer with cast-in-place metal square in center; No evidence of a release (area=100 sq ft)	SB-M9-5-01 through SB-M9-5-03	SB-M9-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M9-8151	Unknown		SB-M9-8151-01 through SB-M9-8151-03	SB-M9-8151-02 SB-M9-8151-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-M09-8151-03.	No New Jersey Soil Cleanup Criteria Exceedances
N9-1	Electrical Transformer	Transformer at base of pole. Intact but possible S.V. at base of pole.	SB-N9-1-01	SB-N9-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-34

B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
N9-3	Former Rocket House	Building has been removed. All that remains is six standing cement footers and two toppled footers. No evidence of release (area=300 sq ft).	SB-N9-3-01 through SB-N9-3-05	SB-N9-3-05 SB-N9-3-04	Sampling location SB-N9-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-3-04.	No New Jersey Soil Cleanup Criteria Exceedances
N9-B4	Glaze/Screen Scrap Shed	All that remains is a cement foundation; Building once received steam from main steam line; No evidence of a release (area=500 sq ft)	SB-N9-B4-01 through SB-N9-B4-04	SB-N9-B4-04 SB-N9-B4-01	Sampling location SB-N9-B4-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-B4-01.	No New Jersey Soil Cleanup Criteria Exceedances
N9-B4-11	Unknown	All that remains is a partial concrete foundation and a slight berm. No evidence of a release.	SB-N9-B4-11-01 through SB-N9-B4-11-05	SB-N9-B4-11-05 SB-N9-B4-11-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-N9-B4-11-05. A confirmation sample was collected at SB-N9-B4-11-03. Analytical results did not detect E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances
N9-B41-10	Unknown	Small building adjacent to N09-2195. All that remains is a partial cement foundation and steel siding. No evidence of a release (area=200 sq ft).	SB-N9-B41-10-01 through SB-N9-B41-10-03	SB-N9-B41-10-03 SB-N9-B41-10-01	Sampling location SB-N9-B41-10-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N9-B41-10-01.	No New Jersey Soil Cleanup Criteria Exceedances
O7-2271/2272	X-Ray/Rest House	Buildings within one earthen covered structure; Entrances on opposite sides; No evidence of a release	SB-O7-2271-01 through SB-O7-2271-04	SB-O7-2271-04 SB-O7-2271-02	Sampling location SB-O7-2271-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-2271-02.	No New Jersey Soil Cleanup Criteria Exceedances
O8-2247	Cast Area Pack House	Concrete foundation sided with rusted steel which has discolored adjacent soil. Asbestos steam line enters building on E side. Loading dock in SW corner, loading door in NE.	SB-O8-2247-01 through SB-O8-2247-06	SB-O8-2247-04 SB-O8-2247-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
O8-2252	A.C. House	Cement slab used to house an air conditioner, duct evidence; No evidence of release	SB-O8-2252-01 through SB-O8-2252-04	SB-O8-2252-02 SB-O8-2252-01	Sampling location SB-O8-2252-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O8-2252-01.	No New Jersey Soil Cleanup Criteria Exceedances
O8-2268	Container Storage	Building has been completely removed, several footers remain. No evidence of release.	SB-O8-2268-01 through SB-O8-2268-05	SB-O8-2268-05 SB-O8-2268-01	Sampling location SB-O8-2268-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-08-2268-01.	No New Jersey Soil Cleanup Criteria Exceedances

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B-Line Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
O8-4	Unknown Foundation	Small cement pad with an unknown use; No evidence of a release (area=300 sq ft)	SB-O8-4-01 through SB-O8-4-03	SB-O8-4-02 SB-O8-4-01	Sampling location SB-O8-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O8-4-01.	No New Jersey Soil Cleanup Criteria Exceedances
O8-5	Septic Tank	Minimal evidence of former septic tank. Location determined from map. No evidence of a release.			Septic Tank could not be located, no evidence of tank exists	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector

XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot

" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-35

A-Line Area NFA Justification
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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
E10-11	A-Line Acetone Pipeline	Acetone feed to bldg 2169 from A-Line acetone piping; No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
E10-20	Catch Tank Discharge Pipe	A 3" PVC pipe encased in fiberglass pipe runs from E10-2288; A 3" PVC pipe runs from F10-12; Both pipes unite and enter ground; No evidence of release	SB-E10-20-01		No visual evidence of release; For safety reasons, one E&E screening sample was collected per 100 linear feet of pipe. No positive detections were found using an Expray test kit.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2097/2098/2099	Premix House # 1	Wooden construction over concrete block foundation; catch tank to rear-floor drains lead into it; loading area to NW; walkway to 2169; internal controls to separator tank, neutralizer, flush tank.	SB-E10-2097-01 through SB-E10-2097-12	SB-E10-2097-02 SB-E10-2097-07	Sampling location SB-E10-2097-07 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2097-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2101C	Unknown	Wooden and steel construction with sheet metal second floor gutter from 2098 enters W corner; stainless steel tank present on first floor W side; No evidence of release	SB-E10-2101C-01 through SB-E10-2101C-05	SB-E10-2101C-01 SB-E10-2101C-05	Sampling location SB-E10-2101C-01 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2101C-05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2159	Heater House	Wooden construction over concrete foundation; steam pipe enters SE corner; steam pipe vent along W side; minor area, 5' x 5' of reduced vegetation	SB-E10-2159-01 through SB-E10-2159-05	SB-E10-2159-02 SB-E10-2159-05	Group B E&E materials were detected at SB-E9-2159-02 and SB-E9-2159-05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2160	Heater House	Wooden construction over concrete foundation; area of stressed vegetation on NW side leading to adjacent stream.	SB-E10-2160-01 through SB-E10-2160-05	SB-E10-2160-03 SB-E10-2160-05	Sampling location SB-E10-2160-05 was determined using professional judgement. Group B E&E materials were detected at SB-E10-2160-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-2288	Catch Tank House	6' diameter catch tank from E10-2198; gutter collected from floor drains of 2098; gutter leads out to F10-12	SB-E10-2288-01 through SB-E10-2288-05	SB-E10-2288-03 SB-E10-2288-05	Group B E&E materials were detected at SB-E9-2288-03 using an Expray Test Kit A confirmation sample was taken at SB-E10-2288-05. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-23	NG Gutters	Two gutters;one flows out of F10-12 and ends just S of the catch tank house; other flows out of 2098 downhill to F10-12; identical path along upper gutter until lower gutter bends just S of Catch Tank House. No evidence of release.			Gutter removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
E10-606	Unknown	Bldg demolished-minimal evidence of former bldg; area currently paved over. No evidence of release (area=100 sq ft).	SB-E10-606-01 through SB-E10-606-03	SB-E10-606-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E10-A1	Breaker Scrap Shed	Bldg demolished -only gravel area remains; No evidence of release (area=100 sq ft)	SB-E10-A1-01 through SB-E10-A1-03	SB-E10-A1-02	Group B E&E materials were detected at SB-E10-A1-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E10-PA12	Waste Water Pit	4' diameter wastewater collection sump; fiberglass pipe enters ground on SE side. No evidence of release.	TP-E10-PA12-01	TP-E10-PA12-01	Test Pit location placed downgradient from sump	No New Jersey Soil Cleanup Criteria Exceedances
E9-2296A	Unknown Tank	Probable air receiver tank; tag on tank (1961) lists tank as "formerly spent acid"; air vent on bottom NW side; discolored soil underneath NW side	SB-E9-2296A-01 through SB-E9-2296A-03	SB-E9-2296A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E9-2296B	Slurry Coat Chiller Shed	Recently constructed-wooden shed with asphalt roof built on concrete block; piping removed; No evidence of release (area=100 sq ft)	SB-E9-2296B-01 through SB-E9-2296B-04	SB-E9-2296B-03 SB-E9-2296B-04	Sampling location SB-E9-2296B-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E9-2296B-04	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-35

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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
E9-2296C	Recycling Tank	Concrete pad formerly held a recycling tank; tank removed; Former connections to 2" steel pipes evident No evidence of release	SB-E9-2296C-01 through SB-E9-2296C-04	SB-E9-2296C-01	Group B E&E materials were detected at SB-E9-2296C-01 using an Expray Test Kit SVOCs were not analyzed but should have been. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E9-2296D	Control House	Concrete bldg; conduit leads away to bldg 2337, slurry coat house; No evidence of release	SB-E9-2296D-01 through SB-E9-2296D-04	SB-E9-2296D-01 SB-E9-2296D-03	Group B E&E materials were detected at SB-E9-2296D-01 using an Expray Test Kit. A confirmation sample was collected at SB-E9-2296D-03. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E9-556	Cotton Blend	Bldg demolished-only concrete foundation remains; No evidence of release (area=300 sq ft)	SB-E9-556-01 through SB-E9-556-04	SB-E9-556-04	Group B E&E materials were detected at SB-E9-556-04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E9-560	Block Breaker	Bldg demolished; E corner foundation evident; No evidence of release (area=100 sq ft)	SB-E9-560-01 through SB-E9-560-03	SB-E9-560-03	Group B E&E materials were detected at SB-E9-560-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
E9-6	Control House	Recent construction-aluminum siding over wood with concrete foundation; electrical controls present inside; transformer pair on SW side. No evidence of a release.	SB-E9-6-01 through SB-E9-6-04	SB-E9-6-01 SB-E9-6-03 SB-E9-6-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
E9-A7	Cont. Dryer Scrap Shed	Bldg demolished; former evidence removed; No evidence of a release (area=100 sq ft)	SB-E9-A7-01 through SB-E9-A7-03	SB-E9-A7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F08-7	Unknown Name	Unknown pit or culvert; Steel plate over sandy sides-no concrete block present; No evidence of release			Pit determined to be hydraulic access pit, no evidence of release, therefore no samples taken	No New Jersey Soil Cleanup Criteria Exceedances
F10-18	Alcohol/Acetone Feed Line	Runs along A Line; dual feeds which lead to bldgs from two tank storage areas: F10-9116/G9-9107 No evidence of release			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
F10-21	Concrete Sumps	Concrete sump with float switch, electrical alternator; piping leads from pumps into ground at W corner No evidence of release	SB-F10-21-01	SB-F10-21-01	Test Pit loacation was placed downgradient from the sump	No New Jersey Soil Cleanup Criteria Exceedances
F10-2162	Caustic Storage	Small corrugated sheet metal and wooden construction over concrete foundation; indicated on front as caustic-strong alcohol	SB-F10-2162-01 through SB-F10-2162-04	SB-F10-2162-04 SB-F10-2162-02	Sampling location SB-F10-2162-04 was determined using XRF screening; Results indicated an lead concentration of 1442 ppm. A confirmation sample was collected at SB-F10-2162-02. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-2289	Catch Tank House	Corrugated sheet metal and wood construction over concrete foundation; gutter from 2101; No evidence of release	SB-F10-2289-01 through SB-F10-2289-04	SB-F10-2289-01	Group B E&E materials were detected at SB-F10-2289-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-2356	NC Block Breaker	Concrete constructed breaker house-concrete floors and walls; Two associated control houses with >7 lines of conduit running from each bldg; floor drains drain to sump at SW loading area; No evidence of a release	SB-F10-2356-01 through SB-F10-2356-12	SB-F10-2356-04 SB-F10-2356-06 SB-F10-2356-07 TP-F10-2356-12	Sampling location SB-F10-2356-04 determined using professional judgement; Group B E&E materials were detected at SB-F10-2356-06/07 using and Expray Test Kit. Test Pit location downgradient from sump. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-2356A	NC Block Breaker Control Room	Control Room associated with Block Breaker House; Location determined from historical maps			This AOC has been sampled as part of F10-2356	No New Jersey Soil Cleanup Criteria Exceedances
F10-4	Waste Water Pit	Recently installed concrete block culverts with 12" corrugated pipe storm drains; connects path from PA6 to PA9; water becomes orange-red downstream of former tank storage area.			Pit to be sampled during surface water and sediment sampling phase	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-35

A-Line Area NFA Justification
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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
F10-462	Dehydration House	Bldg demolished-evidence largely destroyed; No evidence of release (area=100 sq ft)	SB-F10-462-01 through SB-F10-462-03	SB-F10-462-01	Group B E&E materials were detected at SB-F10-462-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-464	Dehydration House	Bldg demolished-only concrete foundation remains; 2 -3" diameter pipes extend into foundation at SW corner. No evidence of release.	SB-F10-464-01 through SB-F10-464-05	SB-F10-464-01 SB-F10-464-05	Group B E&E materials were detected at SB-F10-464-01/05 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-5	Solvent Recovery Air Dryer Shed	Currently empty; wooden construction; 1" pipe enters E side exits on W. No evidence of a release.	SB-F10-5-01 through SB-F10-5-03	SB-F10-5-01	Group B E&E materials were detected at SB-F10-5-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F10-8	Control House	Small wooden house over concrete foundation; >15 conduit lines lead in from 2356; small empty wooden shed on SE side. No evidence of release.	SB-F10-8-01 through SB-F10-8-04	SB-F10-8-01 SB-F10-8-04	Sampling location SB-F10-8-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-8-04	No New Jersey Soil Cleanup Criteria Exceedances
F10-8274	Pump House	Bldg demolished-concrete pad and associated piping remains; small catch cylinder present on S side No evidence of release	SB-F10-8274-01 through SB-F10-8274-04	SB-F10-8274-02 SB-F10-8274-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F10-8564	Chlorinator House # 3	Concrete block construction; chlorine feed line from adjacent F10-8569. No evidence of release.	SB-F10-8564-01 through SB-F10-8564-04	SB-F10-8564-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F10-8569	Chlorinator Feed House	Wooden storage shed; chlorinator feed to 8564; one of four tanks indicated as leaking.	SB-F10-8569-01 through SB-F10-8569-04	SB-F10-8569-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F10-9	Transformer	Black housing with some brown discoloration towards the bottom. No evidence of release.	SB-F10-9-01	SB-F10-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F10-PA9	Waste Water Pit	Collection sump; 6" stainless pipe enters from PA8; fiberglass pipe exits-enters adjacent culvert; float switches, pumps present			Test Pit location placed between F10-PA8 and F10-PA9. Sampled as F10-PA8	No New Jersey Soil Cleanup Criteria Exceedances
F8-1	Unknown	Bldg demolished; corners of foundation evident the rest covered by soil; 4" pipe into ground at S corner. No evidence of release.	SB-F8-1-01 through SB-F8-1-06	SB-F8-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-11	Process Water/Slurry Lines	Stainless steel process water lines; labeled "slurry lines" from E9-2296 to E9-2338 and "process lines" from E9-2338 to F8-2107 Discharged to a catch box.			Pipeline removed, no evidence of release, therefore no samples were collected	No New Jersey Soil Cleanup Criteria Exceedances
F8-2	Unknown	Bldg. demolished; old concrete foundations evident in S and E; remainder covered by soil; sheet metal debris present possibly due to adjacent F8-2117	SB-F8-2-01 through SB-F8-2-05	SB-F8-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-2151	Heater House	Wooden and corrugated steel covering over concrete foundation; large footers inside for supporting mechanical equipment; stressed vegetation to NE and E of bldg	SB-F8-2151-01 through SB-F8-2151-06	SB-F8-2151-01 SB-F8-2151-06	Sampling location SB-F8-2151-06 was determined using professional judgement; Sampling location SB-F8-2151-01 was determined using XRF screening; Results indicated a copper concentration of 1,235 ppm at SB-F8-2151-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F8-2208	Mix House # 2	Corrugated metal house overlain by soil; concrete gutter in front leads to adjacent 8562 A; large berm to W; No evidence of release	SB-F8-2208-01 through SB-F8-2208-04	SB-F8-2208-01 SB-F8-2208-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
F8-3	Stressed Vegetation	Pile of green anti-static material; no vegetation present (area=100 sq ft)	SB-F8-3-01 through SB-F8-3-03	SB-F8-3-01	Sampling location SB-F8-3-01 was determined using XRF screening; Results indicated a copper concentration of 622 ppm at SB-F8-3-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
F8-4	Unknown Foundations	Concrete pads; W pad has cast-in-place rebar. Bldgs demolished. No evidence of release (area=200 sq ft).	SB-F8-4-01 through SB-F8-4-03	SB-F8-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-5	Transformer	Dark gray colored transformer; housing-slight discoloration, minor staining on soil/stone beneath; No evidence of release	SB-F8-5-01	SB-F8-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-567	Final Mix House	Bldg demolished; concrete rubble at N end; No evidence of release	SB-F8-567-01 through SB-F8-567-05	SB-F8-567-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-8	Transformer	Mounted to telephone pole; gray discoloration on black housing; No evidence of release in soil beneath	SB-F8-8-01	SB-F8-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-8562A	C-Line Sump	Concrete sump with wooden shed built over top; currently filled with water. No evidence of a release.	TP-F8-8562A-01	TP-F8-8562A-01	Test Pit location was placed downgradient from the Pit.	No New Jersey Soil Cleanup Criteria Exceedances
F8-A5	Mix House Scrap Shed	Bldg demolished-evidence of shed largely removed; No evidence of release (area=100 sq ft)	SB-F8-A5-01 through SB-F8-A5-03	SB-F8-A5-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-A9	Scrap Shed	Clearly defined area of aggregate where bldg formerly stood. Bldg demolished. No evidence of a release (area=100 sq ft).	SB-F8-A9-01 through SB-F8-A9-03	SB-F8-A9-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F8-PA1/PA2	Waste Water Pit	Concrete culvert with 4" outlet pipe on SE side; Unable to view circular structure; No evidence of release	TP-F8-PA1/PA2-01	TP-F8-PA1/PA2-01	Test Pit location was placed downgradient from the Pit.	No New Jersey Soil Cleanup Criteria Exceedances
F9-2104	Premix Rest House	Wooden and corrugated sheet metal construction; steam pipe enters E corner; drum of potassium sulfate inside; No evidence of release	SB-F9-2104-01 through SB-F9-2104-06	SB-F9-2104-03	Group B E&E materials were detected at SB-F9-2104-03 using an Expray Test Kit	No New Jersey Soil Cleanup Criteria Exceedances
F9-2276	Control House	Steel walls on front and cylindrical structures on SE corners; corrugated sheet metal "bunkers" overlain by soil; No evidence of a release	SB-F9-2276-01 through SB-F9-2276-03	SB-F9-2276-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-2279	Air Compressor/Dryer House	Sheet metal and fiberglass over wood; air compressor/dryer evident in fiberglass enclosed SW half of structure; No evidence of release	SB-F9-2279-01 through SB-F9-2279-04	SB-F9-2279-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-3	Transformer	Gray colored transformer housing; minor area of dark-brown to red discolored soil at base of telephone pole. Transformer housing appears intact	SB-F9-3-01	SB-F9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-4	Alcohol Tanks	Tanks/tank cradles removed; No evidence of a release	SB-F9-4-01 through SB-F9-4-03	SB-F9-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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A-Line Area NFA Justification
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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
F9-558A	Dehydrator	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=500 sq ft)	SB-F9-558A-01 through SB-F9-558A-04	SB-F9-558A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-7	Unknown Concrete Pad	Recently constructed concrete pad with pressure valves, pressure indicator and 1" piping; possible former tank present; possibly not completed or barely used. No evidence of release.	SB-F9-7-01 through SB-F9-7-04	SB-F9-7-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-A10	Press House Scrap Shed	Bldg demolished; No evidence of release (area=100 sq ft)	SB-F9-A10-01 through SB-F9-A10-03	SB-F9-A10-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-A3	New Premix Scrap Shed	Bldg demolished-minimal evidence of former shed; No evidence of release (area=100 sq ft)	SB-F9-A3-01 through SB-F9-A3-03	SB-F9-A3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
F9-PA3	Collection Pit	Culvert leads in from A1/A2 and out to A4; feed in from 2106; No evidence of release			This AOC has not yet been sampled	No New Jersey Soil Cleanup Criteria Exceedances
F9-PA5	Waste Water Pit	4' x 4' concrete block box; collection from N and W; drainage to PA6; No evidence of release	TP-F9-PA5-01	TP-F9-PA5-01	Test Pit location was placed downgradient from the Pit.	No New Jersey Soil Cleanup Criteria Exceedances
G7-2	Unknown	Bldg demolished; largely vegetated somewhat wooded area; debris present-wood, concrete, steel, 1" diameter pipe; area cut out of hill. No evidence of release.	SB-G7-2-01 through SB-G7-2-05	SB-G7-2-04 SB-G7-2-01	Sampling location SB-G7-2-04 was determined using XRF screening Results indicated a lead concentration of 638 ppm. A confirmation sample was collected at SB-G07-2-01	No New Jersey Soil Cleanup Criteria Exceedances
G8-2148	Unknown	Bldg demolished-evidence of former bldg removed; No evidence of release (area=100 sq ft)	SB-G8-2148-01 through SB-G8-2148-03	SB-G8-2148-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G8-2204	AP Pulverizer	Bldg demolished; rebar present indicates location of former berm. No evidence of release.	SB-G8-2204-01 through SB-G8-2204-05	SB-G8-2204-05 SB-G8-2204-03	Sampling location SB-G8-2204-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-2204-03	No New Jersey Soil Cleanup Criteria Exceedances
G8-2260	Unknown	Bldg demolished-evidence largely removed; No evidence of release (area=100 sq ft)	SB-G8-2260-01 through SB-G8-2260-03	SB-G8-2260-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G8-5	A-Line Substation	A-Line/Finishing Area substation. Switches listed for each area; minimal vegetation present within fence area.	SB-G8-5-01 through SB-G8-5-04	SB-G8-5-01 SB-G8-5-02	Sampling location SB-G8-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G8-5-02	No New Jersey Soil Cleanup Criteria Exceedances
G8-8562	C-Line Sumps	Concrete sump with wooden shed over top; currently filled with water. No evidence of release.	TP-G8-8562-01	TP-G8-8562-01	Test Pit location was placed downgradient from sump	No New Jersey Soil Cleanup Criteria Exceedances
G8-C3	C-Line Scrap Shed	Bldg demolished-minimal evidence of shed; No evidence of release (area=100 sq ft)	SB-G8-C3-01 through SB-G8-C3-03	SB-G8-C3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
G8-F7	Dry House 1 & 2 Scrap Shed	Bldg demolished-evidence largely removed; No evidence of release (area=100 sq ft)	SB-G8-F7-01 through SB-G8-F7-03	SB-G8-F7-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
G9-14	Transformer	Black housing with minor weathering and discoloration evident; No staining at base of pole. No evidence of release.	SB-G9-14-01	SB-G9-14-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Finishing Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H7-2172A	Heater House	Wooden structure on concrete foundation; asbestos-covered vent on W side; steam drain on NW corner	SB-H7-2172A-01 through SB-H7-2172A-05	SB-H7-2172A-03 SB-H7-2172A-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H7-642B	Unknown	Bldg demolished; no evidence of its existence except some unleveled ground. No evidence of a release (area =100 sq ft).	SB-H7-642B-01 through SB-H7-642B-03	SB-H7-642B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H8-2171	PETN Lactose Dryer	Wood and ceramic structure; foundation larger than bldg. Floor drain with old foundation to NW corner and pipe into ground off of foundation to NW; loading door to E and two potential loading doors to the S; duct from heater house to the N; surrounded by a berm; No evidence of a release	SB-H8-2171-01 through SB-H8-2171-06	SB-H8-2171-01 SB-H8-2171-03 SB-H8-2171-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H8-2291	PETN Lactose Dryer Heater House	Wooden bldg. on a concrete foundation; Drain in SW corner that has stained the ground brown; Duct from W corner to PETN lactose dryer; Lab and dryer bldgs. are within a berm	SB-H8-2291-01 through SB-H8-2291-04	SB-H8-2291-02 SB-H8-2291-04	Sampling location SB-H8-2291-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H8-2291-04.	No New Jersey Soil Cleanup Criteria Exceedances
H8-558	Blender House	Bldg. Demolished-no evidence of existence	SB-H8-558-01 through SB-H8-558-05	SB-H8-558-03 SB-H8-558-04	Sampling location SB-H8-558-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H8-558-04.	No New Jersey Soil Cleanup Criteria Exceedances
H8-564	Rest House	Bldg. Demolished and area regraded; No evidence of a release (area=100 sq ft)	SB-H8-564-01 through SB-H8-564-03	SB-H8-564-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I10-1	Heater House	Three concrete footers with protruding rebar adjacent to I10-550; largely vegetated area. No evidence of a release (area=100 sq ft).	SB-I10-1-01 through SB-I10-1-03	SB-I10-1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I10-2121	Dry House	Vegetation present; No evidence of a release (area=100 sq ft)	SB-I10-2121-01 through SB-I10-2121-03	SB-I10-2121-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I10-2122	Dry House	Bldg demolished; only concrete foundation remains; minor amounts of sheet metal, wood, rebar; old steam pipe. Minor evidence of a release- green concrete covered at SE corner (area=100 sq ft).	SB-I10-2122-01 through SB-I10-2122-03	SB-I10-2122-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I10-2155	Dry House	Only vegetation present; No evidence of a release	SB-I10-2155-01 through SB-I10-2155-03	SB-I10-2155-02 SB-I10-2155-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I10-2155-02. A confirmation sample was collected at SB-I10-2155-03. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
I10-2156	Dry House	Vegetated area; No evidence of a release (area=100 sq ft)	SB-I10-2156-01 through SB-I10-2156-03	SB-I10-2156-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I7-12	Transformer	Telephone pole mounted; looks intact; No evidence of a release	SB-I7-12-01	SB-I7-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I7-13	Electric Transformers	Two electric transformers on a telephone pole; transformers intact. No evidence of a release.	SB-I7-13-01 through SB-I7-13-02	SB-I7-13-01 SB-I7-13-02	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I7-2124A	Rest House	Wooden structure on concrete foundation; berm on the E and W. Loading area on NE corner. No evidence of a release.	SB-I7-2124A-01 through SB-I7-2124A-05	SB-I7-2124A-03 SB-I7-2124A-05	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I7-4	Unknown	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-4-01 through SB-I7-4-03	SB-I7-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I7-567	Rest House	Bldg demolished; only broken foundations remain and old scrap metal. No evidence of a release.	SB-I7-567-01 through SB-I7-567-05	SB-I7-567-01 SB-I7-567-02	Sampling location SB-I7-567-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-567-02.	No New Jersey Soil Cleanup Criteria Exceedances
I8-2299	Glaze House	Mostly vegetated; some concrete rubble present; No evidence of release	SB-I8-2299-01 through SB-I8-2299-05	SB-I8-2299-05 SB-I8-2299-03	Sampling location SB-I9-2299-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2299-03.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I8-2332	Unknown	Steel earth covered bldg. Associated with I8-2328; use unknown. No evidence of a release.	SB-I8-2332-01 through SB-I8-2332-03	SB-I8-2332-02 SB-I8-2332-01	Sampling location SB-I8-2332-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2332-01.	No New Jersey Soil Cleanup Criteria Exceedances
I8-2405A	Ribbon Blender Rotoclone Room	Building associated with with 2405, Ribbon Blender Location determined from historic maps	SB-I8-2405A-01 through SB-I8-2405A-04	SB-I8-2405A-02 SB-I8-2405A-01	Sampling location SB-I8-2405A-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2405A-01.	No New Jersey Soil Cleanup Criteria Exceedances
I8-2409	Ribbon Blender Control Room	Control house-conduit enters corrugated steel cylindrical bldg. from S side. No evidence of release.	SB-I8-2409-01 through SB-I8-2409-04	SB-I8-2409-01 SB-I8-2409-04	Sampling location SB-I8-2409-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2409-04.	No New Jersey Soil Cleanup Criteria Exceedances
I8-525	Unknown	Mostly vegetated-evidence of former bldg removed; No evidence of release	SB-I8-525-01 through SB-I8-525-04	SB-I8-525-03 SB-I8-525-04	Sampling location SB-I8-525-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-525-04.	No New Jersey Soil Cleanup Criteria Exceedances
I8-560	Blender	Bldg. demolished; sparse evidence available; Several pieces of wood and one piece of scrap metal	SB-I8-560-01 through SB-I8-560-05	SB-I8-560-03 SB-I8-560-01	Sampling location SB-I8-560-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-560-01.	No New Jersey Soil Cleanup Criteria Exceedances
I8-F2	Glaze Barrel Scrap Shed	Bldg demolished; No evidence of release (area=100 sq ft)	SB-I8-F2-01 through SB-I8-F2-03	SB-I8-F2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I9-2329	Unknown	New bldg built in location of former dry house; multiple loading areas; catch tank; concrete and wood construction. No evidence of a release. Sump associated with the building.	SB-I9-2329-01 through SB-I9-2329-06 TP-I9-2329-07	SB-I9-2329-04 SB-I9-2329-05 SB-I9-2329-06 TP-I9-2329-07	Sampling locations SB-I9-2329-04/06 were determined using professional judgement; Sampling location SB-I9-2329-05 was determined using XRF screening. Results indicated a lead concentration of 1,311 ppm at SB-I9-2329-05. Test Pit location placed downgradient of the sump.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I9-2329A	Unknown	Wooden construction over concrete foundation. Possible storage for 2112; possible electric control house; grinders indicated on conduit. No evidence of a release.	SB-I9-2329A-01 through SB-I9-2329A-04	SB-I9-2329A-01 SB-I9-2329A-04	Sampling location SB-I9-2329A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2329A-04.	No New Jersey Soil Cleanup Criteria Exceedances
I9-3	Debris Area	Miscellaneous debris which may have been decontaminated at 2311; pumps, section of PVC cable, electrical insulators, wire mesh screens, catch tanks, process equipment, mixing tanks, electrical induction motors, wooden cable spools (area=5,600 sq ft).	SB-I09-3-01 through SB-I09-3-13	SB-I9-3-01 SB-I9-3-03 SB-I9-3-05 SB-I9-3-07 SB-I9-3-09 SB-I9-3-11 SB-I9-3-13	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I9-5	Rest House	Largely vegetation and disturbed soil; berm on E side; foundation and bldg demolished. No evidence of release.	SB-I9-5-01 through SB-I9-5-05	SB-I9-5-01 SB-I9-5-05	Sampling location SB-I9-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-5-05.	No New Jersey Soil Cleanup Criteria Exceedances
I9-515	Spent Acid Recovery	Bldg demolished; pine grove planted in former location; No evidence of a release	SB-I9-515-01 through SB-I9-515-05	SB-I9-515-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I9-516	Unknown	Mostly vegetation, minor amounts of rubble, sheet metal present. No evidence of a release.	SB-I9-516-01 through SB-I9-516-05	SB-I9-516-04 SB-I9-516-02	Sampling location SB-I9-516-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-516-02.	No New Jersey Soil Cleanup Criteria Exceedances
I9-520	Unknown	Mostly vegetation, minor amounts of rubble present, two concrete footers. No evidence of a release.	SB-I9-520-01 through SB-I9-520-05	SB-I9-520-03 SB-I9-520-05	Sampling location SB-I9-520-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-520-05.	No New Jersey Soil Cleanup Criteria Exceedances
J7-2281B	Heater House for J7-2281	Wooden structure on a concrete foundation; multiple electric conduits and a vent pipe to J7-2281; stream drain in SW corner;potential stressed vegetation immediately W of the door.	SB-J7-2281B-01 through SB-J7-2281B-05	SB-J7-2281B-01 SB-J7-2281B-03 SB-J7-2281B-05	Sampling locations SB-J7-2281B-01/05 were determined using professional judgement; Screening results did not warrant biased sampling; Sampling location SB-J7-2281B-03 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J7-2281B-03. Analytical results did not detect elevated E&E concentrations	No New Jersey Soil Cleanup Criteria Exceedances

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Finishing Area NFA Justification
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J7-2282	Blender/Packer	Earth covered with thick steel door; rain pipe on SW corner feeds to a 12" diameter corrugated pipe to a ditch for graphite pond. No evidence of a release except for the discharge pipe.	SB-J7-2282-01 through SB-J7-2282-06	SB-J7-2282-03 SB-J7-2282-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J7-5	Transformer	1,000 kV to 35 kV substation; recent construction; new insulators; No evidence of a release	SB-J7-5-01	SB-J7-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J7-8240	Store House	Bldg. demolished - only two concrete footers remain (area=800 sq ft)	SB-J7-8240-01 through SB-J7-8240-04	SB-J7-8240-02 SB-J7-8240-01	Sampling location SB-J7-8240-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-8240-01.	No New Jersey Soil Cleanup Criteria Exceedances
J7-F1	Main Shaker Scrap Shed	Bldg. demolished with no evidence of its existence; center estimated. No evidence of a release.	SB-J7-F1-01 through SB-J7-F1-03	SB-J7-F1-01 SB-J7-F1-02	Sampling location SB-J7-F1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-F1-02.	No New Jersey Soil Cleanup Criteria Exceedances
J8-1	Canister Shipping	Wooden construction on concrete footers. Rail and truck loading areas. No evidence of a release.	SB-J8-1-01 through SB-J8-1-05	SB-J8-1-01 SB-J8-1-02	Sampling location SB-J8-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J8-1-02.	No New Jersey Soil Cleanup Criteria Exceedances
J8-2	Transformers	Mounted to telephone pole; not discolored; No evidence of release	SB-J8-2-01 through SB-J8-2-02	SB-J8-2-01 SB-J8-2-02	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J8-2339	Glaze House # 3 Rotoclone	Bldg demolished-little evidence of its existence; No evidence of release (area=100 sq ft)	SB-J8-2339-01 through SB-J8-2339-03	SB-J8-2339-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J8-2354A	Canister House Powder Store	Powder room associated with 2354, Canister House Location determined from historical maps	SB-J8-2354A-01 through SB-J8-2354A-04	SB-J8-2354A-04 SB-J8-2354A-03	Sampling location SB-J8-2354A-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J8-2354A-03.	No New Jersey Soil Cleanup Criteria Exceedances
J8-8272	Store House	Bldg demolished- only evidence two larger than normal rail ties. Rail ties supported a canopy (area=100 sq ft).	SB-J8-8272-01 through SB-J8-8272-03	SB-J8-8272-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J9-5	Finishing Area Substation	1,000 kV to 35 kV substation; recent construction; new insulators; No evidence of a release	SB-J9-5-01	SB-J9-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K6-8273	Dynamite Store # 5	Bldg. demolished and left in pile-pile contains wood, metal, pipes and approximately 20 drums. Drums labeled as containing explosives (Trimethylolethane). Drums intermixed with debris-most have lids. No evidence of a release.	SB-K6-8273-01 through SB-K6-8273-04	SB-K6-8273-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-K6-8273-03	No New Jersey Soil Cleanup Criteria Exceedances

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SVOCs = Semi-Volatile Organic Compounds
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TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Ammonia-Nitrate NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersery

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H12-120	Lead Melting Pot	Bldg. Demolished-minor amounts of rubble present; No evidence of release	SB-H12-120-01 through SB-H12-120-03	SB-H12-120-03 SB-H12-120-02	Sampling location SB-H12-120-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H12-120-02.	No New Jersey Soil Cleanup Criteria Exceedances
H13-2	Transformer	Three mounted to telephone poles. Recently installed. No evidence of release.	SB-H13-2-01 through SB-H13-2-03	SB-H13-2-01 SB-H13-2-02 SB-H13-2-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H13-3	Transformer	Three transformers mounted on telephone pole. Recently installed. No evidence of release.	SB-H13-3-01 through SB-H13-3-03	SB-H13-3-01 SB-H13-3-02 SB-H13-3-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
H13-6	Safety Trailer	Portable aluminum sided trailer mounted on concrete block. Office use only, no evidence of release.	SB-H13-6-01 through SB-H13-6-04	SB-H13-6-01 SB-H13-6-04	Sampling location SB-H13-6-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H13-6-04.	No New Jersey Soil Cleanup Criteria Exceedances
I11-2326	Platinum Gauge House	Bldg. demolished-only concrete footers remain; No evidence of release	SB-I11-2326-01 through SB-I11-2326-05	SB-I11-2326-04 SB-I11-2326-01	Sampling location SB-I11-2326-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I11-2326-01.	No New Jersey Soil Cleanup Criteria Exceedances
I11-3	Unknown Sump	Siemens induction motor pump. Two float switches and pressure indicator present on sump. No evidence of release.	TP-I11-3-01	SB-I11-3-01	Test Pit location was placed downgradient from the sump	No New Jersey Soil Cleanup Criteria Exceedances
I12-1	Unknown Concrete Pad	Square concrete pad with circular cast-in-place rebar. No evidence of release.	SB-I12-1-01 through SB-I12-1-04	SB-I12-1-04 SB-I12-1-02	Sampling location SB-I12-1-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-1-02.	No New Jersey Soil Cleanup Criteria Exceedances
I12-12	Propane Tank	Propane tank mounted on concrete footers; currently empty. No evidence of release.	SB-I12-12-01 through SB-I12-12-04	SB-I12-12-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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Ammonia-Nitrate NFA Justification
Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I12-13	Propane Tank	Supported on two temporary metal supports-currently empty. No evidence of release.	SB-I12-13-01 through SB-I12-13-03	SB-I12-13-03	Sampling location was determined using an Expray Test Kit;Group C E&E materials were detected at SB-I12-13-03. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
I12-2011	Crystalizer House	Bldg. demolished-concrete and steel foundation remains. Large oven mounted on foundation. Area currently converted for use as a decontamination facility. Floor drain in W corner flow directed to WWTP. No evidence of release.	SB-I12-2011-01 through SB-I12-2011-04	SB-I12-2011-01 SB-I12-2011-04	Sampling location SB-I12-2011-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2011-04.	No New Jersey Soil Cleanup Criteria Exceedances
I12-2012	Coating House Repair Shop	Bldg. demolished-concrete block foundation remains; No evidence of release (area=300 sq ft)	SB-I12-2012-01 through SB-I12-2012-03	SB-I12-2012-02 SB-I12-2012-03	Sampling location SB-I12-2012-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2012-03.	No New Jersey Soil Cleanup Criteria Exceedances
I12-8	Transformer	Pole mounted. Housing appears intact. No evidence of release.	SB-I12-8-01	SB-I12-8-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I12-8271	Control Room	Control House for EQ WWTP; Concrete masonry block construction; Houses single blower/silencer; Stressed vegetation at SE corner	SB-I12-8271-01 through SB-I12-8271-04	SB-I12-8271-02 SB-I12-8271-01	Sampling location SB-I12-8271-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-8271-01.	No New Jersey Soil Cleanup Criteria Exceedances
I12-8581	Decontamination Facility Control Room	Wooden shed-houses oven controls and pressure washer; Small debris area (building debris) at S corner; No evidence of release	SB-I12-8581-01 through SB-I12-8581-04	SB-I12-8581-04 SB-I12-8581-01	Sampling location SB-I12-8581-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-8581-01.	No New Jersey Soil Cleanup Criteria Exceedances
I12-9	Transformer	Not mounted; on ground adjacent to telephone pole. Housing intact. No evidence of release.	SB-I12-9-01	SB-I12-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
I12-9112	Nitric Acid Storage Tanks	Bldg. demolished-cradle removed footers remain; No evidence of release	SB-I12-9112-01 through SB-I12-9112-06	SB-I12-9112-04 SB-I12-9112-03	Sampling location SB-I12-9112-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-9112-03.	No New Jersey Soil Cleanup Criteria Exceedances

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Ammonia-Nitrate NFA Justification
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I12-9120	Unknown		SB-I12-9120-01 through SB-I12-9120-03	SB-I12-9120-02 SB-I12-9120-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was taken at SB-I12-9120-03.	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector

XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot

" = Inch
 = Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J10-3	Electric Transformer	Corroded bottom, possible oil release	SB-J10-3-01	SB-J10-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J9-2	Stressed Vegetation	Soil with gray flakes of soft paper-like substance (area=50 sq ft)	SB-J9-2-01 through SB-J9-2-03	SB-J9-2-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J9-2-02. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
J9-6	Smokeless Unloading	Minor amounts of concrete block, wood and steel siding; Location based on historical maps; No evidence of a release	SB-J9-6-01 through SB-J9-6-03	SB-J9-6-02 SB-J9-6-01	Sampling location SB-J9-6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J9-6-01.	No New Jersey Soil Cleanup Criteria Exceedances
K7-2127	Rest House #6	Steel and wood structure; Two loading doors on E side, loading dock on E corner, possibly for narrow gauge railroad; No evidence of a release	SB-K7-2127-01 through SB-K7-2127-05	SB-K7-2127-03 SB-K7-2127-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K7-3	Unknown Foundation	Foundation has been removed, only evidence is an old walkway; No evidence of a release (area=100 sq ft)	SB-K7-3-01 through SB-K7-3-03	SB-K7-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K7-F5	Rest House #3 Scrap Shed	Scrap shed has been totally removed; All that remains is a flat area (area=100 sq ft)	SB-K7-F5-01 through SB-K7-F5-03	SB-K7-F5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K8-9212A	New Premix Storehouse Shed	Shed adjacent to K08-9212 with concrete foundation with wooden construction	SB-K8-9212A-01 through SB-K8-9212A-04	SB-K8-9212A-01 SB-K8-9212A-04	Sampling location SB-K8-9212A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-9212A-04.	No New Jersey Soil Cleanup Criteria Exceedances
K9-3	Discarded Drum	Drum has been removed with flag placed in former location; Area is currently covered with vegetation	SB-K9-3-01 through SB-K9-3-02	SB-K9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
K9-9204	Shipping House #3	Brick foundation, corrugated sheet metal, wooden construction. Multiple loading areas with berm on N side. No evidence of release.	SB-K9-9204-01 through SB-K9-9204-08	SB-K9-9204-01 SB-K9-9204-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L7-1	Debris	Most debris removed, all that remains is a piece of rebar, two chunks of steel siding and a narrow gauge rail section. No evidence of a release.	SB-L7-1-01 through SB-L7-1-03	SB-L7-1-03 SB-L7-1-01	Sampling location SB-L7-1-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-1-01.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L7-2	Unknown Foundation	Foundation has been removed, only evidence is overturned soil; No evidence of a release (area=100 sq ft)	SB-L7-2-01 through SB-L7-2-03	SB-L7-2-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L7-4	Discarded Drums	Drums and metal debris has been removed; No evidence of a release	SB-L7-4-01 through SB-L7-4-03	SB-L7-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L7-5	Electric Transformer	Transformer corroded but looks intact; No evidence of a release	SB-L7-5-01	SB-L7-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L7-6	Discarded Drum	Drum has been removed with no evidence of location. Location will be estimated.	SB-L7-6-01 through SB-L7-6-03	SB-L7-6-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L7-8115	Magazine Office	Building completely removed. All that remains is a berm indicating its presence. No evidence of a release (area=400 sq ft).	SB-L7-8115-01 through SB-L7-8115-04	SB-L7-8115-02 SB-L7-8115-04	Sampling location SB-L7-8115-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-8115-04.	No New Jersey Soil Cleanup Criteria Exceedances
L7-9206	Cap Magazine	Steel structure on concrete pad, one door on E side; No evidence of a release (area=200 sq ft)	SB-L7-9206-01 through SB-L7-9206-04	SB-L7-9206-01 SB-L7-9206-02	Sampling location SB-L7-9206-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-9206-02.	No New Jersey Soil Cleanup Criteria Exceedances
L7-9315	Fuse Storage	Building completely removed; No evidence of a release (area=200 sq ft)	SB-L7-9315-01 through SB-L7-9315-03	SB-L7-9315-01 SB-L7-9315-02	Sampling location SB-L7-9315-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L7-9315-02.	No New Jersey Soil Cleanup Criteria Exceedances
L8-8215	Unknown	Vegetation covers former site with sand areas; Probable former scrap shed; No evidence of a release (area=100 sq ft)	SB-L8-8215-01 through SB-L8-8215-03	SB-L8-8215-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
L8-8235	Car Barrel Shed	Area presently covered with vegetation; No evidence of a release	SB-L8-8235-01 through SB-L8-8235-03	SB-L8-8235-01 SB-L8-8235-02	Sampling location SB-L8-8235-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L8-8235-02.	No New Jersey Soil Cleanup Criteria Exceedances
L8-9202	No. 5 Shipping	Brick foundation wood wrapped in corrugated sheet metal; Berm on SE side with rail loading area; Loading dock on NW corner; No evidence of a release	SB-L8-9202-01 through SB-L8-9202-07	SB-L8-9202-01 SB-L8-9202-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
M7-9205	Dynamite Magazine #1	Old wooden magazine surrounded on three sides by a wooden and earthen berm, with loading areas in the NW and SE corners, the SE loading dock is covered by a roof. No evidence of a release	SB-M7-9205-01 through SB-M7-9205-06	SB-M7-9205-01 SB-M7-9205-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
M8-9201	Dynamite Magazine #2	Old structure that had a barricade many years ago, the building has three doors and five loading docks, a narrow gauge rail serviced this building. No evidence of release	SB-M8-9201-01 through SB-M8-9201-10	SB-M8-9201-01 SB-M8-9201-10	Sampling location SB-M8-9201-01 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-M8-9201-10	No New Jersey Soil Cleanup Criteria Exceedances
N5-3	Former Store House	Pit in the ground with bermed sides, all remnants of former structure have been removed. No evidence of release.	SB-N5-3-01 through SB-N5-3-05	SB-N5-3-03 SB-N5-3-01	Sampling location SB-N5-3-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N5-3-01.	No New Jersey Soil Cleanup Criteria Exceedances
N5-533	Former Store House	Remains of former store house, only 21 cement footers and some old rusted metal siding remain. Building was thermally decontaminated. No evidence of a release.	SB-N5-533-01 through SB-N5-533-05	SB-N5-533-05 SB-N5-533-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 538 ppm at SB-N5-533-05. A confirmation sample was collected at SB-N5-533-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
N5-581	Former Store House	Old structure protected by an earthen berm, building has been removed and all that remains is the berm and its wooden support. No evidence of release.	SB-N5-581-01 through SB-N5-581-05	SB-N5-581-01 SB-N5-581-05	Sampling location SB-N5-581-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N5-581-05.	No New Jersey Soil Cleanup Criteria Exceedances
N6-580	Rest House #580	This former rest house is buried beneath the old landfill with no evidence of its location, location will be estimated			This remnant building is located within the landfill, therefore it will not sampled.	No New Jersey Soil Cleanup Criteria Exceedances
N6-9208	Shipping House #9	Old wooden structure with steel siding and roofing, large wooden. Berm filled with earth surrounding the structure, loading docks on the N and S sides. No evidence of release.	SB-N6-9208-01 through SB-N6-9208-06	SB-N6-9208-03 SB-N6-9208-04	Sampling locations were determined using an Expray Test Kit; Group B E&E materials were detected at SB-N6-9208-03/04. Analytical results did not detect elevated E&E concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
N7-394	Blender #2 Building 394	No debris remains of building, adjacent debris from former blender. Location based on historic maps. No evidence of release.	SB-N7-394-01 through SB-N7-394-03	SB-N7-394-01 SB-N7-394-03	Sampling location SB-N7-394-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-394-03.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
N7-4	Electric Transformer	Electric transformer on telephone pole, looks intact. No evidence of release.	SB-N7-4-01	SB-N7-4-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
N7-5	Stressed Vegetation	Area of stressed vegetation, possibly caused by fibrous, green flat pieces of material (area=100 sq ft).	SB-N7-5-01 through SB-N7-5-03	SB-N7-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
N7-571	Unknown	Building is destroyed with only some wood remaining, building is located on the edge of the pond. No evidence of release	SB-N7-571-01 through SB-N7-571-03	SB-N7-571-03 SB-N7-571-02	Sampling location SB-N7-571-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-571-02.	No New Jersey Soil Cleanup Criteria Exceedances
N7-574	Unknown	Former building has been removed, all that remains is a built up level area extending into a marshy area, some drums and scrap are nearby (area=800 sq ft).	SB-N7-574-01 through SB-N7-574-04	SB-N7-574-02 SB-N7-574-03	Sampling location SB-N7-574-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-574-03.	No New Jersey Soil Cleanup Criteria Exceedances
N8-389	Dry House	Building has been completely removed, all that remains is 12 concrete footers and some scrap metal. No evidence of release.	SB-N8-389-01 through SB-N8-389-05	SB-N8-389-05 SB-N8-389-04	Sampling location SB-N8-389-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N8-389-04.	No New Jersey Soil Cleanup Criteria Exceedances
O5-2	Former Store House	Building removed, all that remains is an earthen berm; No evidence of release (area=800 sq ft)	SB-O5-2-01 through SB-O5-2-04	SB-O5-2-01 SB-O5-2-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
O5-5	Former Store House	Man-made level section of ground cut out of a slope creating a bermed area, one piece of scrap metal remains. No evidence of release (area=300 sq ft).	SB-O5-5-01 through SB-O5-5-03	SB-O5-5-03 SB-O5-5-02	Sampling location SB-O5-5-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-5-02.	No New Jersey Soil Cleanup Criteria Exceedances
O5-534	Former Store House	Similar to N5-533, 18 footers and some steel siding remain; Building was thermally decontaminated; No evidence of a release	SB-O5-534-01 through SB-O5-534-05	SB-O5-534-04 SB-O5-534-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 430 ppm at SB-O5-534-04 A confirmation sample was collected at SB-O5-534-02. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances
O5-537	Dry House #56	21 cement footers remain, building has been removed except for some pieces of steel siding, building surrounded on three sides by earthen berm supported with wood and steel. No evidence of release.	SB-O5-537-01 through SB-O5-537-05	SB-O5-537-05 SB-O5-537-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
O5-578	Rest House #12	Old bermed area, berm contains wood and steel reinforcing and has been partially destroyed. Building was thermally decontaminated and has been completely removed. No evidence of release (area=400 sq ft).	SB-O5-578-01 through SB-O5-578-04	SB-O5-578-04 SB-O5-578-02	Sampling location SB-O5-578-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-578-02.	No New Jersey Soil Cleanup Criteria Exceedances
O5-580.5	Store House	Former store house nearly completely removed, N side wooden berm remains, narrow gauge rail line runs through center of building. No evidence of release.	SB-O5-580.5-01 through SB-O5-580.5-05	SB-O5-580.5-02 SB-O5-580.5-05	Sampling location SB-O5-580.5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-580.5-05.	No New Jersey Soil Cleanup Criteria Exceedances
O5-580.75	Rest House	Small bermed area, berm has wood and steel reinforcing bars, structure appears to have been thermally decontaminated. No evidence of release (area=500 sq ft).	SB-O5-580.75-01 through SB-O5-580.75-05	SB-O5-580.75-05 SB-O5-580.75-04	Sampling location SB-O05-580.75-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O05-580.75-04.	No New Jersey Soil Cleanup Criteria Exceedances
O5-6	Unknown	Associated with dry house #56 (05-534). Use unknown (area=800 sq ft).	SB-O5-6-01 through SB-O5-6-04	SB-O5-6-02 SB-O5-6-03	Sampling location SB-O5-6-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-6-03.	No New Jersey Soil Cleanup Criteria Exceedances
O6-1	Former Store House	Building nearly completely removed when a road was put in place, only remains is a single concrete footer, there is some plastic on the ground nearby. No evidence of release (area=100 sq ft).	SB-O6-1-01 through SB-O6-1-03	SB-O6-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
O6-3	Electric Transformer	Electric transformer on telephone pole, base looks to be corroding. There may have been a release.	SB-O6-3-01	SB-O6-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
O6-577	Rest House #11	All that remains is a hole in the ground, the bottom of the foundation is filled with water. No evidence of release (area=700 sq ft).	SB-O6-577-01 through SB-O6-577-04	SB-O6-577-03 SB-O6-577-01	Sampling location SB-O6-577-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O6-577-01.	No New Jersey Soil Cleanup Criteria Exceedances
O6-649	Blender #649	No remnants of former building; Former location estimated	SB-O6-649-01 through SB-O6-649-03	SB-O6-649-02 SB-O6-649-03	Sampling location SB-O6-649-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O6-649-03.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
O6-650	Blender #650	Building has been completely dismantled, there are no remains, Center of building estimated using historical maps	SB-O6-650-01 through SB-O6-650-03	SB-O6-650-03 SB-O6-650-01	Sampling location SB-O6-650-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-06-650-01.	No New Jersey Soil Cleanup Criteria Exceedances
O7-2	Unknown	Small cement foundation	SB-O7-2-01 through SB-O7-2-04	SB-O7-2-02 SB-O7-2-01	Sampling location SB-O7-2-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-2-01.	No New Jersey Soil Cleanup Criteria Exceedances
O7-391	Dry House 391	All remnants of building have been removed. Location based on historic maps. No evidence of release.	SB-O7-391-01 through SB-O7-391-03	SB-O7-391-03 SB-O7-391-02	Sampling location SB-O7-391-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-391-02.	No New Jersey Soil Cleanup Criteria Exceedances
O7-395	Blender House #3	Building completely dismantled, location based on historic maps and pack house footer. No evidence of release.	SB-O7-395-01 through SB-O7-395-03	SB-O7-395-02 SB-O7-395-03	Sampling location SB-O7-395-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-395-03.	No New Jersey Soil Cleanup Criteria Exceedances
O7-576	Unknown	All that remains is a part of the broken foundation; No evidence of a release (area=100 sq ft)	SB-O7-576-01 through SB-O7-576-03	SB-O7-576-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
O7-615E	Former Store House	Similar to 07-9319, only broken brick footers remain with considerable debris. Former building is buried under the debris.	SB-O7-615E-01 through SB-O7-615E-04	SB-O7-615E-01 SB-O7-615E-04	Sampling location SB-O7-615E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-615E-04.	No New Jersey Soil Cleanup Criteria Exceedances
P5-2	Unknown	Associated with dry house #55 (P5-536), use unknown, all that remains is an earthen pit. No evidence of release. Both P5-2 and P5-3 are up slope from their respective dry house.	SB-P5-2-01 through SB-P5-2-04	SB-P5-2-01 SB-P5-2-03	Sampling location SB-P5-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P5-2-03.	No New Jersey Soil Cleanup Criteria Exceedances
P5-3	Unknown	Associated with dry house #54 (P5-535), use unknown, all that remains is a depression in the ground. No evidence of release (area=800 sq ft).	SB-P5-3-01 through SB-P5-3-04	SB-P5-3-02 SB-P5-3-01	Sampling location SB-P5-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P5-3-01.	No New Jersey Soil Cleanup Criteria Exceedances
P5-536	Dry House #55	Same as 05-537 except berm is more intact, there is a 0.5 inch pipe going into ground at NE corner.	SB-P5-536-01 through SB-P5-536-06	SB-P5-536-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 602 ppm at SB-P5-536-01. Analytical results did not detect elevated metal concentrations.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
P7-575	Blending Tower 575	Circular structure with inner foundation, may be tank like. Immediately N of inner circle is a sump like pit. Building completely removed. Two pipes entering the ground W of the sump. No evidence of a release.	SB-P7-575-01 through SB-P7-575-07 TP-P7-575-08	SB-P7-575-01 SB-P7-575-04 TP-P7-575-08	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling. Test Pit location placed downgradient from the sump.	No New Jersey Soil Cleanup Criteria Exceedances
Q4-2	Stressed Vegetation	White material in this S.V. Area (area=25 sq ft)	SB-Q4-2-01 through SB-Q4-2-03	SB-Q4-2-03	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
Q6-1	Burn Pad #1	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.		SB-Q6-1-01	This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-2	Burn Pad #2	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-3	Burn Pad #3	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-4	Burn Pad #4	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-5	Burn Pad #5	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-583	Kerosene Storage	Two 220 gal kerosene tanks placed on a cement pad in a cement basin and a small galvanized steel shed. No evidence of release.	SB-Q6-583-01 through SB-Q6-583-04	SB-Q6-583-01 SB-Q6-583-02	Sampling location SB-Q6-583-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-Q6-583-02.	No New Jersey Soil Cleanup Criteria Exceedances

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
Q6-584	Unknown	Small building associated with P6-9225 that has been removed, No evidence of a structure, former location estimated	SB-Q6-584-01 through SB-Q6-584-03	SB-Q6-584-02 SB-Q6-584-01	Sampling location SB-Q6-584-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-Q6-584-01.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-6	Burn Pad #6	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-7	Burn Pad #7	Small cement basin/pit used to thermally decontaminate E&E contaminated materials, removable roof structure to prevent rainwater from pit. No evidence of release.			This AOC to be closed by Alliant Tech Systems.	No New Jersey Soil Cleanup Criteria Exceedances
Q6-9311	Unknown		SB-Q6-9311-01 through SB-Q6-9311-03	SB-Q6-9311-03 SB-Q6-9311-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-Q6-9311-01.	No New Jersey Soil Cleanup Criteria Exceedances
R6-1	New Burning Ground Command Post	Building used to watch and manage the burn area. No hazardous materials present. No evidence of a release.	SB-R6-1-01 through SB-R6-1-04	SB-R6-1-01 SB-R6-1-02	Sampling location SB-R6-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R6-1-02.	No New Jersey Soil Cleanup Criteria Exceedances
R6-11	Unknown		SB-R6-11-01 through SB-R6-11-03	SB-R6-11-02 SB-R6-11-03	Sampling location SB-R6-11-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R6-11-03.	No New Jersey Soil Cleanup Criteria Exceedances
S6-1	Unknown		SB-S6-1-01 through SB-S6-1-05	SB-S6-1-05 SB-S6-1-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-39

Miscellaneous/Offsite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	Unrestricted Use Exceedances
D16-1	Administration Building	Wooden/siding construction over concrete block foundation Ceramic catch pipe on SE corner. No evidence of release.	SB-D16-1-01 through SB-D16-1-05	SB-D16-1-01 SB-D16-1-02	Sampling location SB-D16-1-02 was determined using professional judgement Sampling location SB-D16-1-01 was determined using VOC screening Results indicated a PID reading of 25 ppm and an FID reading of 40 ppm Analytical results did not detect elevated VOC concentrations	No New Jersey Soil Cleanup Criteria Exceedances
D16-3	Barracks	Bldgs demolished; No evidence of release	SB-D16-3-01 through SB-D16-3-05	SB-D16-3-05 SB-D16-3-04	Sampling location SB-D16-3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D16-3-04	No New Jersey Soil Cleanup Criteria Exceedances
E15-8560	Sprayfield/Chlorine House # 1	Large sprayfield with PVC pipe present; concrete catch box on E side; chlorinator house on W side with concrete gutter to adjacent stream; sandy sprayfield, reduced vegetation present (area= 22,000 sq ft).	SB-E15-8560-01 through SB-E15-8560-27	SB-E15-8560-01 through SB-E15-8560-27	Each sampling location was screened for metals and E&E materials, none were found	No New Jersey Soil Cleanup Criteria Exceedances
H14-2	Debris Area	No evidence of former debris area; glassware removed; No evidence of release (area=100 sq ft)	SB-H14-2-01 through SB-H14-2-03	SB-H14-2-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	No New Jersey Soil Cleanup Criteria Exceedances
J14-2	Unknown Foundation	Minimal evidence of foundation; significant amount of stone present (probably granitic). No evidence of release.	SB-J14-2-01 through SB-J14-2-03	SB-J14-2-03 SB-J14-2-02	Sampling location SB-J14-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J14-2-02	No New Jersey Soil Cleanup Criteria Exceedances
M11-1	Unknown Former Foundation	Building demolished, location determined from historic maps. No evidence of a release.	SB-M11-1-01 through SB-M11-1-03	SB-M11-1-02 SB-M11-1-01	Sampling location M11-1-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M11-1-01	No New Jersey Soil Cleanup Criteria Exceedances
N13-5	Electric Transformer	Mounted to telephone pole with minimal discoloration on housing. No evidence of release.	SB-N13-5-01	SB-N13-5-01	Sample was collected at base of pole	No New Jersey Soil Cleanup Criteria Exceedances
O13-4	Unknown	Large concrete foundation with 6" steel pipe extending up from foundation for 6', and a 2' x 2' steel plate bolted to pad. No evidence of release.	SB-O13-4-01 through SB-O13-4-04	SB-O13-4-02 SB-O13-4-01	Sampling location SB-O13-4-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-4-01	No New Jersey Soil Cleanup Criteria Exceedances
O13-7	Unknown Pit	Posted as confined space entry pit. Concrete block structure with asphalt roof. No evidence of release. Sump associated with the building.	SB-O13-7-01 through SB-O13-7-04 TP-013-7-05	SB-O13-7-03 SB-O13-7-01 TP-O13-7-05	Sampling location SB-O13-7-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-7-01. Test Pit location placed downgradient from the sump.	No New Jersey Soil Cleanup Criteria Exceedances
O13-8	Transformers	Three fairly new gray transformers; No evidence of release	SB-O13-8-01 through SB-O13-8-03	SB-O13-8-01 SB-O13-8-02 SB-O13-8-03	Samples were collected directly under transformers	No New Jersey Soil Cleanup Criteria Exceedances
O13-8577	Chlorinator House/ Generator	Concrete block building with eyewash station in front. Adjacent concrete pad with emergency generator, transformer and No. 2 fuel oil tank. No evidence of release.	SB-O13-8577-01 through SB-O13-8577-04	SB-O13-8577-02 SB-O13-8577-03	Sampling location SB-O13-8577-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-8577-03	No New Jersey Soil Cleanup Criteria Exceedances
O13-8604	Well No. 2	Small brick well house; No evidence of release	SB-O13-8604-01 through SB-O13-8604-04	SB-O13-8604-01 SB-O13-8604-03	Sampling location SB-O13-8604-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O13-8604-03	No New Jersey Soil Cleanup Criteria Exceedances

Table 5-39

Miscellaneous/Offsite Area NFA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	Unrestricted Use Exceedances
O14-1	Unknown	Building demolished, steel mesh, concrete rubble, steel pipe, wood, rubber, and general building debris present. No evidence of release.	SB-O14-1-01 through SB-O14-1-03	SB-O14-1-01 SB-O14-1-03	Sampling location SB-O14-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O14-1-03	No New Jersey Soil Cleanup Criteria Exceedances
O14-8603	Well No. 1	Small brick well house. Utility box in front containing a pump and a totalizing flow meter. No evidence of release.	SB-O14-8603-01 through SB-O14-8603-04	SB-O14-8603-02 SB-O14-8603-04	Sampling location SB-O14-8603-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O14-8603-04	No New Jersey Soil Cleanup Criteria Exceedances

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PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-40

TNT Area FA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
A11-1	Mononitrator #2	Mononitrator # 2 demolished; debris scattered around a basement on W side; catch tank on SE corner of bldg with two pipes 2-4 ft. S of catch tank; no stressed vegetation	SB-A11-1-01 through SB-A11-1-07	SB-A11-1-01 SB-A11-1-04	Sampling locations were determined using XRF screening Results indicated a lead concentration of 609 ppm at SB-A11-1-01 and 728 ppm at SB-A11-1-04	Metals, E&E, SVOCs
A11-2	Mixed Acid Storage #3	Mixed Acid Storage # 3 50-60 ft. E of A11-7 contains tank cradles and a lower level for tank storage; pipe in S foundation no stressed vegetation (area 900 sq. ft.)			Reserved for Remedial Investigation due to the presence of lead	Metals
A11-4	Acid Fortifier #2	Rectangular, overgrown foundation with catch tank on N side; NW corner has transite piping and vessels; no environmental impacts			Reserved for Remedial Investigation due to the presence of lead	Metals
A11-5	Bi/Trinitrator #2	Old, overgrown foundation with pipes going into the ground at each corner no stressed vegetation			Reserved for Remedial Investigation due to the presence of lead and E&E materials	Metals, E&E
A11-504	Weak Acid Storage Tanks	Weak Acid Storage Tank; several old pits along E side of former bldg. Possibly catch tanks			Reserved for Remedial Investigation due to the presence of lead	Metals
A11-570	Change House	Stone foundation up slope from A11-504; level, vegetated area; 4 inch pipe in ground on E corner about 3 ft. from bldg; no stressed vegetation	SB-A11-570-01 through SB-A11-570-05	SB-A11-570-05 SB-A11-570-01	Sampling location SB-A11-570-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-A11-570-01	SVOCs
A11-7	Nitric Acid Storage #2	Concrete footers overgrown; two small areas less than 10 ft. in diameter of stressed vegetation approximately 15 ft. from footers SE stressed vegetation contained lead both have slag present			Reserved for Remedial Investigation due to the presence of lead	Metals
A11-8	Mixed Acid Storage Tanks #4	Three 1.5'x 12' foundations with an equipment pad to the S; Pad is 12' x 12' with supports; No stressed vegetation (area 300 sq.ft.)	SB-A11-8-01 through SB-A11-8-04	SB-A11-8-03 SB-A11-8-02	Sampling location SB-A11-8 -03 was determined using E&E screening Group B E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-A11-8 -02	E&E
A11-9	Rock Quarry	Large several hundred foot depression formerly used as a rock quarry; broken ground and discarded drums,containers, and ceramic pipe (area 19,000 sq.ft.)	SB-A11-9-01 through SB-A11-9-20	SB-A11-9-03 SB-A11-9-04	Sampling location SB-A11-9-04 was determined using professional judgement Sample location SB-A11-9-03 was determined using XRF screening Results indicated a lead concentration of 917 ppm at SB-A11-9-03	Metals
A12-1	TNT in Soil	Small area S of A11-6; numerous chunks of TNT measuring several inches across;discarded terra cotta pipe and overturned soils (area 300 sq. ft.)	SB-A12-1-01 through SB-A12-1-03		Reserved for Remedial Investigation due to the presence of TNT chunks on the ground	E&E
A12-426	Block Breaker	Bldg. Demolished; adjacent to rail spur some brick present, but mostly a concrete foundation; rail spur overgrown	SB-A12-426-01 through SB-A12-426-05		A subsurface layer of NC was found along the SW corner of the foundation during screening activities. This AOC has been reserved for the Remedial Investigation	E&E

Table 5-40

TNT Area FA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
A12-7	Neutralizer/Pelletizer #2, associated Catch Tank	Neutralizer/Pelletizer Catch Tank with thick walls; overgrown; no obvious environmental impact; old drum 50 ft. S of this feature (area 300 sq. ft.)	SB-A12-7-01 through SB-A12-7-04	SB-A12-7-03 SB-A12-7-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
A12-8	Debris Area	Thermally decontaminated; brick foundation remains within berm; metal bracing along berms; no stressed vegetation	SB-A12-8-01 through SB-A12-8-05	SB-A12-8-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 454 ppm at SB-A12-8-05 Group A E&E materials were also detected at SB-A12-8-05 using an Expray Test Kit	Metals, E&E
A13-1	Filter House #3 Sump	Rectangular vegetated foundation with pit on one side; no environmental impact (area 600 sq. ft.)	SB-A13-1-01 through SB-A13-1-04	SB-A13-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E
A13-625	Filter House #2	Thermally decontaminated building with half of former berm destroyed; metal debris remaining; no stressed vegetation			Reserved for Remedial Investigation due to the presence of E&E materials	E&E
B10-2	TNT in Soil	Piles of dirt that contain waste TNT not much vegetation in area; appears to radiate out from unknown structure possibly a catch tank to the north			Reserved for Remedial Investigation due to the presence of arsenic and E&E materials	Metals, E&E
B10-20	Former Water Tank	25 ft. diameter circular foundation made of concrete; center contains rusted, metal pails and one broken terra cotta pipe; small valve S of former tank presumably for the water tank (area 500 sq. ft.)	SB-B10-20-01 through SB-B10-20-04	SB-B10-20-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,845 ppm and a zinc concentration of 1,526 ppm at SB-B10-20-01	Metals, SVOCs
B10-5	Possible Catch Tank for B10-508/B10-509	Three small concrete foundations covered with burnt wood; pipes from bldgs. 508 and 509 aimed toward this building; potential for stressed vegetation			Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been referred to the Remedial Investigation	E&E
B10-501	Nitric Acid Storage #1	Nitric Acid Storage Tanks; bldg. was burnt Bldg very degraded probably from acid; no vegetation in interior of bldg; process pipes and foundation not intact			Reserved for Remedial Investigation due to the presence of lead	Metals
B10-502	Mixed Acid Storage Tanks #1	Mi1ed Acid Storage Tanks; metal debris and drums present; thermally decontaminated pipes not intact; overgrown			Reserved for Remedial Investigation due to the presence of lead	Metals
B10-503	Mononitrator #1	Two story brick bldg burnt to thermally decontaminate the interior; bldg still standing S side very overgrown; SW side is a loading dock; SE side is a sump; discharge pipe present	SB-B10-503-01 through SB-B10-503-06 TP-B10-503-07	SB-B10-503-01 SB-B10-503-02 SB-B10-503-06 TP-B10-503-07	Sampling locations SB-B10-503-01/02 were determined using professional judgement; Sample location SB-B10-503-06 was determined using XRF screening; Results indicated a lead concentration of 692 ppm at SB-B10-503-06. Test Pit location was placed downgradient from the sump. Analytical results did not detect elevated lead concentrations.	SVOCs, E&E
B10-505	Acid Fortifier	Overgrown foundation of Acid Fortifying House thermally decontaminated;pipes inside bldg.			Reserved for Remedial Investigation due to the presence of lead	Metals

Table 5-40

TNT Area FA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B10-506	Absorption Tower #1	Absorption Tower # 1; Three columns standing; sump on S side; roofing and pipe debris on W side; thermally decontaminated, no stressed vegetation	SB-B10-506-01 through SB-B10-506-06 TP-B10-506-07	SB-B10-506-02 SB-B10-506-04 TP-B10-506-07	Sampling location SB-B10-506-02 was determined using XRF screening Results indicated a lead concentration of 460 ppm. A confirmation sample was collected at SB-B10-506-04. Test Pit location was placed downgradient from the sump. Analytical results did not detect elevated lead concentrations.	SVOCs, E&E
B10-508	Bi/Trinitrator #1	Binitrator bldg burnt; large amount of debris and piping in center of bldg.; E of SE corner is left over brine coils			Reserved for Remedial Investigation due to the presence of lead and E&E materials	Metals, E&E
B10-509	Neutralizer/Pelletizer #1	Neutralizer/Pelletizer Bldg has very high berms; piping and machinery in bldg. vegetated			Reserved for Remedial Investigation due to the presence of lead	Metals
B10-6	TNT in Soil	Small area 25 ft. S-SE of bldg. 508 with stressed vegetation; one piece of TNT found here; more possible			Reserved for Remedial Investigation due to the presence of arsenic and E&E materials	Metals, E&E
B10-656	Nitric Acid Storage Tanks	Nitric Acid Storage Tanks No foundations only disturbed earth	SB-B10-656-01 through SB-B10-656-03	SB-B10-656-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E
B11-513	Crude Screening House, associated sump	Thermally decontaminated bldg. Some brick foundation remains; scrap metal debris and pipes; no evidence for release	SB-B11-513-01 through SB-B11-513-05	SB-B11-513-02 SB-B11-513-05	Sampling location SB-B11-513-02 was determined using XRF screening Results indicated a lead concentration of 618 ppm at SB-B11-513-02 Group A E&E materials were detected at SB-B11-513-05 using an Expray Test Kit Analytical results did not detect elevated lead concentrations	E&E
B11-523	Change House	Rectangular bldg currently vegetated; no environmental impacts (area 900 sq. ft.)	SB-B11-523-01 through SB-B11-523-04	SB-B11-523-03 SB-B11-523-01	Sampling location SB-B11-523-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B11-523-01	SVOCs
B11-602C	Reservoir	Large, deep foundation with trees growing in it; pipe extends from N to E; smaller area in W corner with two valves and pipe extending to N; pipe on E corner going into ground; no stressed vegetation	SB-B11-602C-01 through SB-B11-602C-08	SB-B11-602C-07 SB-B11-602C-08	Sampling location SB-B11-602C-08 was determined using XRF screening Results indicated a lead concentration of 445 ppm at SB-B11-602C-08 Group B E&E materials were detected at SB-B11-602C-07 using an Expray Test Kit	Metals, SVOCs, E&E
B11-663	Graining House #2, associated sump	Graining House # 2 surrounded by a berm foundation inside berm overgrown, broken into three tiers; several holes where pipes once were located; no stressed vegetation	SB-B11-663-01 through SB-B11-663-06	SB-B11-663-04 SB-B11-663-06	Sampling location SB-B11-663-04 was determined using E&E screening Group A E&E materials were detected using an Expray Test Kit. A confirmation sample was collected at SB-B11-663-06	E&E, SVOCs

Table 5-40

TNT Area FA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B12-1	Perchlorate Grinder	Undocumented structure very similar to Perchlorate Grinder; two large concrete foundations and a few pieces of old metal no evidence of environmental impact (area 400 sq. ft.)			Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been deferred to the Remedial Investigation	E&E
B12-234	Filter House #1 Sump	Rectangular shaped sump house for Filter House # 1; pit filled with water; no stressed vegetation			Reserved for Remedial Investigation due to the presence of E&E materials	E&E
B12-237	Filter House #1	Filter House # 1 most intact of demolished filter houses; rusted metal in base of bermed are that is intact; thermally decontaminated	SB-B12-237-01 through SB-B12-237-05	SB-B12-237-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 529 ppm, a copper concentration of 603 ppm and a zinc concentration of 1,870 ppm at SB-B12-237-01	Metals, SVOCs, E&E
B12-3	Culvert	Culvert 32 inches in diameter with 8-12 inch pipes; probably carried waste from B12-234 and B12-237; two inlet pipes to the N and a drain to the S toward B13-1; no evidence of contamination	SB-B12-3-01 through SB-B12-3-02	SB-B12-3-01 SB-B12-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
B12-450	Perchlorate Grinder	Perchlorate Grinder SW of B12-237 adjacent to rail spur; two large concrete foundations adjacent to rail spur slight depression in center filled with water no environmental impact	SB-B12-450-01 through SB-B12-450-05	SB-B12-450-03	Reserved for Remedial Investigation due to the presence of E&E materials	E&E, SVOCs
B13-1	Settling Pond	Depressed area with a ditch entering from NW ditch originated at A13-625 Filter House # 2; 8-12 inch terra cotta pipe enters from the W possibly from A13-7543 Filter House # 3 area of brown stressed vegetation			Reserved for Remedial Investigation due to the presence of beryllium, lead and thallium	Metals
B13-682	Weak Liquor House	Foundation overgrown with vegetation; tank cradle set and two floor drains; one drain exits foundation in NE of foundation; other drain exists to catch tank in SE corner; no apparent environmental impact	SB-B13-682-01 through SB-B13-682-06	SB-B13-682-03 SB-B13-682-04 SB-B13-682-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
B13-724	Ether Still House	Building dismantled except for three parallel foundations 45 ft. long and 5 ft. high: area vegetated; no apparent environmental impacts; debris 30 ft. north of foundation	SB-B13-724-01 through SB-B13-724-05	SB-B13-724-05 SB-B13-724-01	Sampling location SB-B13-724-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B13-724-01	SVOCs, E&E
B13-757	Mother Liquor House	Foundation with grass growing on it; concrete debris with rebar along south side of foundation; parking barriers north of foundation	SB-B13-757-01 through SB-B13-757-05	SB-B13-757-04	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 106 ppm at SB-B13-757-04 Analytical results did not detect elevated arsenic concentrations	E&E, SVOCs

Table 5-40

TNT Area FA Justification
Phase I - Site Investigation
Kenvil Works, Kenvil, NJ

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B13-8	Filter House #2 Sump	Rectangular foundation with a water filled pit pipe near SE corner goes underground no environmental impact evident	SB-B13-8-01 through SB-B13-8-05 TP-B13-8-06	SB-B13-8-04 SB-B13-8-05 TP-B13-8-06	Sampling location SB-B13-8-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-B13-8-05. Test Pit location was placed downgradient from the sump.	E&E
B9-2	Water Supply Building	Two parallel foundations and several mounds with bolts protruding	SB-B9-2-01 through SB-B9-2-05	SB-B9-2-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,913 ppm at SB-B09-2-05	Metals, SVOCs
C10-432	Unknown	Three 10x1.5 foot cement foundations; 12 inch diameter terra cotta pipe entering ground W of central footer; old process pipe associated with this bldg.	SB-C10-432-01 through SB-C10-432-03	SB-C10-432-02 SB-C10-432-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-C10-432-01	E&E, SVOCs
C10-439	Weak Acid Storage Tanks	Old foundation; recently cleared here slight stressed vegetation on W side of ground; internal catch basin associated with tank cradles; several small pipes			Reserved for Remedial Investigation due to the presence of lead	Metals
C10-440	Waste Acid Storage Tanks #2	Same as C10-439 in layout; pipes entering ground within foundation east of bldg.; between this and C10-439 visible pipes cannot locate or follow due to vegetation	SB-C10-440-01 through SB-C10-440-06	SB-C10-440-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,153 ppm at SB-C10-440-02	Metals
C10-466	Unknown	No foundation; building located based on Roux map and shallow rooted vegetation	SB-C10-466-01 through SB-C10-466-03	SB-C10-466-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,966 ppm at SB-C10-466-02	Metals
C8-1	Discarded Cans	Approximately 2 dozen 1-2 gallon steel cans on ground; some contained gray material (area 100 sq.ft.)	SB-C8-1-01 through SB-C8-1-03	SB-C8-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector

XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot

" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-41

Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B13-262A	Gel Mix House #2	Old corrugated siding covering floor area Debris west of berm Slight stressed vegetation southwest of building	SB-B13-262A-01 through SB-B13-262A-05	SB-B13-262A-01 SB-B13-262A-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
C12-274	Talley Gel Mix House #1	Bermed enclosed structure, only broken foundations remain; Two areas of green oxidized lead, 3" pipe enters ground in NE corner; Stressed vegetation in center	SB-C12-274-01 through SB-C12-274-06	SB-C12-274-01 SB-C12-274-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 1,432 ppm at SB-C12-274-01 and 396 ppm at SB-C12-274-05	Metals, E&E, SVOCs
C12-275	Unknown	Foundation with rubble (area=400 sq ft)	SB-C12-275-01 through SB-C12-275-04	SB-C12-275-02 SB-C12-275-01	Sampling location SB-C12-275-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C12-275-01	E&E, SVOCs
C12-3	Stressed Vegetation A	Stressed vegetation center (area=200 sq ft)	SB-C12-3-01 through SB-C12-3-03	SB-C12-3-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 21,330 ppm at SB-C12-3-03	Metals
C12-4	Stressed Vegetation B	Center of stressed vegetation B (area=700 sq ft)	SB-C12-4-01 through SB-C12-4-03	SB-C12-4-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,570 ppm at SB-C12-4-01	Metals
C12-418	Unknown	Center of stressed vegetation B (area=700 sq ft)	SB-C12-418-01 through SB-C12-418-04	SB-C12-418-04 SB-C12-418-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-C12-418-01	E&E, SVOCs
C12-5	Stressed Vegetation C	Center of stressed vegetation C (area=200 sq ft)	SB-C12-5-01 through SB-C12-5-03	SB-C12-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
C13-1	Thirty Acres Area	Contains various scrap metal; No evidence of a release (area=136,000 sq ft)	SB-C13-1-01 through SB-C13-1-20	SB-C13-1-01 SB-C13-1-08 SB-C13-1-11 SB-C13-1-17	Three sample locations, SB-C12-8229-01/08/11, were determined using professional judgement; Group A E&E materials were detected at SB-C12-8229-17 using an Expray Test Kit	E&E
C13-262B	Gel Mix House #1	Thermally decontaminated building; Two old drum hulks within area of former building; Slight stressed vegetation south of berm; Brick debris on northeast corner	SB-C13-262B-01 through SB-C13-262B-05	SB-C13-262B-01 SB-C13-262B-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
C13-282B	Dynamite Mix House #2	Old bermed area almost completely dismantled; Center filled with water	SB-C13-282B-01 through SB-C13-282B-05	SB-C13-282B-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,635 ppm at SB-C13-282B-03	SVOCs, Metals, E&E
C13-666	Refined Graining House	Completely dismantled; TNT chunks scattered around ground			Reserved for Remedial Investigation due to the presence of TNT on the ground	E&E

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
C14-1	Debris Area	5 Brine coils; 24 metal screens; No evidence of a release (area=3,000 sq ft)	SB-C14-1-01 through SB-C14-1-10	SB-C14-1-05 SB-C14-1-03	Sampling location SB-C14-1-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-1-03	SVOCs
C14-4	Store House	Very old stone foundation; No evidence of a release (area=400 sq ft)	SB-C14-4-01 through SB-C14-4-04	SB-C14-4-01 SB-C14-4-03	Sampling location SB-C14-4-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C14-4-03	SVOCs
D11-208A	Refuse Shed	All that remains are charred wooden posts; No evidence of a release (area=100 sq ft)	SB-D11-208A-01 through SB-D11-208A-03	SB-D11-208A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D11-218C	RRP Storage	Building demolished; Only footers and an earthen mound remain; Two 2" pipes enter ground, unknown termination; No evidence of a release	SB-D11-218C-01 through SB-D11-218C-07	SB-D11-218C-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 413 ppm at SB-D11-218C-03	Metals, SVOCs
D11-B232	DNT Screening House	The former structure has been demolished; Five brick footers remain; Three 2-inch pipes extend into ground, termination unknown; The area is marshy and heavily vegetated; No evidence of a release	SB-D11-B232-01 through SB-D11-B232-07	SB-D11-B232-07 SB-D11-B232-06	Sampling location SB-D11-B232-07 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D11-B232-06	Metals, E&E, SVOCs
D12-209B	Blower House	Old foundation with rusting metal equipment; No evidence of a release (area=200 sq ft)	SB-D12-209B-01 through SB-D12-209B-03	SB-D12-209B-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D12-282A	Dynamite Mix House #2	This building was previously thermally decontaminated; Some remnant footers, metal debris, and charred wood remain; The center of former building is marshy; No evidence of a release	SB-D12-282A-01 through SB-D12-282A-05	SB-D12-282A-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E
D12-286A	Hall Pack House #1	Very old demolished building; Berm has been mostly removed; Concrete foundation chunks are on ground surface; No evidence of a release	SB-D12-286A-01 through SB-D12-286A-05	SB-D12-286A-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
D12-289	Gel Pack House	Former structure previously thermally decontaminated; Multiple concrete footers and some charred remains present; Some old pipes and machinery along southern berm; There is an old pump in the center of the former structure; No evidence of a release	SB-D12-289-01 through SB-D12-289-05	SB-D12-289-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs, E&E
D13-264A	Gel Cart House #1	Steep bermed area with brick foundation; No evidence of a release	SB-D13-264A-01 through SB-D13-264A-05	SB-D13-264A-05 SB-D13-264A-03	Sampling location SB-D13-264A-05 was determined using XRF screening; Results indicated an antimony concentration of 109 ppm, a copper concentration of 808 ppm, and a lead concentration of 886 ppm . A confirmation sample was collected at SB-D13-264A-03	Metals
D13-264B	Gel Cart House #2	Thermally decontaminated building; Old drive shaft present; Two small structures outside berm; associated with this building; Two 10' diameter areas of stressed vegetation NE of berm	SB-D13-264B-01 through SB-D13-264B-05	SB-D13-264B-03 SB-D13-264B-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
D13-265A	Unknown	Thermally decontaminated structure; Associated with D13-264A; Small 1" pipe enters ground at SE corner; Old drum hulk at southwest corner; No evidence of a release	SB-D13-265A-01 through SB-D13-265A-06	SB-D13-265A-06	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D13-268	Shrader Cart House	Old stone foundation, marshy center; Pipe coming out of center and entering ground in West; No evidence of a release	SB-D13-268-01 through SB-D13-268-06	SB-D13-268-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 774 ppm at SB-D13-268-01	Metals
D13-273B	Hand Pack House	Building demolished; Two pipes that form a square are all that remain; No evidence of a release	SB-D13-273B-01 through SB-D13-273B-07	SB-D13-273B-02 SB-D13-273B-04	Sampling location SB-D13-273B-02 was determined using XRF screening; Results indicated a copper concentration of 2,450 ppm. A confirmation sample was collected at SB-D13-273B-04 Analytical results did not detect elevated copper concentrations	SVOCs
D13-3	Unknown	Burnt structure with electric motor in center (area=200 sq ft)	SB-D13-3-01 through SB-D13-3-04	SB-D13-3-04 SB-D13-3-02	Sampling location SB-D13-3-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D13-3-02	Metals, E&E

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
D13-303F	Blower House	Several old foundations; Lead solder on pipe; No evidence of a release (area=100 sq ft)	SB-D13-303F-01 through SB-D13-303F-03	SB-D13-303F-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D14-120	Waste Paper Store	Old stone foundation; Old metal screens and bricks 10' SE of foundation; No evidence of a release	SB-D14-120-01 through SB-D14-120-05	SB-D14-120-04 SB-D14-120-03	Sampling location SB-D14-120-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-120-02	SVOCs
D14-129	Powder Office	Old stone foundation; No evidence of a release	SB-D14-129-01 through SB-D14-129-05	SB-D14-129-05 SB-D14-129-03	Sampling location SB-D14-129-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-129-03	SVOCs
D14-204B	NC Dry House	Thermally decontaminated wooded structure; Stressed vegetation within area of former structure; Large amount of lead on ground (area=900 sq ft)	SB-D14-204B-01 through SB-D14-204B-04	SB-D14-204B-01 SB-D14-204B-04	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 521 ppm at SB-D14-204B-01 and 209 ppm at SB-D14-204B-04	Metals, E&E
D14-360	Filter Station	Multiple underground steel water pipes; Water supply lagoon; No evidence of a release	SB-D14-360-01 through SB-D14-360-04	SB-D14-360-03 SB-D14-360-01	Sampling location SB-D14-360-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D14-360-01	SVOCs
D14-6	Stressed Vegetation	Center of stressed vegetation (area=400 sq ft)	SB-D14-6-01 through SB-D14-6-03	SB-D14-6-01 SB-D14-6-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
D14-667	Refined Graining House	Large elevated concrete foundation; Second smaller foundation 30' E; The area is grass covered; No evidence of a release	SB-D14-667-01 through SB-D14-667-05	SB-D14-667-03	Sampling location was determined using XRF and E&E screening Results indicated a lead concentration of 614 ppm at SB-D14-667-03; Group A E&E materials were also detected at SB-D14-667-03 using an Expray Test Kit	Metals, E&E, SVOCs
E10-1	Former Pond	Very little evidence of former pond, extent of pond is estimated (area=36,000 sq ft)	SB-E10-1-01 through SB-E10-1-20	SB-E10-1-05 SB-E10-1-13 SB-E10-1-18	Sampling locations were determined using XRF and E&E screening Group B E&E materials were detected at SB-E10-1-05 and SB-E10-1-18 using an Expray Test Kit; Results indicated a lead concentration of 435 ppm at SB-E10-1-13 Analytical results did not detect elevated lead or E&E concentrations	E&E, SVOCs

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
E11-12	Unknown	Very overgrown old foundation (area=600 sq ft)	SB-E11-12-01 through SB-E11-12-04	SB-E11-12-04 SB-E11-12-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-12-02 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	Metals
E11-2064	Talley Mix House	Two wooden structures completely encased within 40' thick berm; The second wooden structure houses the motor house; Loading areas on SE and NE sides of building within berm; Truck loading area on the SW corner outside of berm; Catch tank on NE corner of main	SB-E11-2064-01 through SB-E11-2064-08	SB-E11-2064-01 SB-E11-2064-02 SB-E11-2064-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E
E11-218B	Unknown	Building demolished; Three concrete footers remain; No evidence of a release	SB-E11-218B-01 through SB-E11-218B-05	SB-E11-218B-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 424 ppm at SB-E11-218B-02	Metals
E11-52	General Storage	The structure is completely removed; Marked estimated location; No evidence of a release	SB-E11-52-01 through SB-E11-52-05	SB-E11-52-04	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E11-52-04 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	SVOCs, Metals
E11-6	Tank Saddles	Series of three double tank saddle foundations	SB-E11-6-01 through SB-E11-6-04	SB-E11-6-02 SB-E11-6-04	Sampling locations were determined using E&E screening Group B E&E materials were detected at SB-E11-6-02/04 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	VOCs
E11-7	Unknown	Two footers with a 5' x 5' area of molten lead (area=100 sq ft)	SB-E11-7-01 through SB-E11-7-03	SB-E11-7-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 18,520 ppm, a copper concentration of 4,970 ppm, and a zinc concentration of 5,240 ppm at SB-E11-7-02	Metals
E11-R2	Talley Mix House Scrap Shed	Small 6' x 6' wooden structure; Knocked over on side; No evidence of a release (area=100 sq ft)	SB-E11-R2-01 through SB-E11-R2-03	SB-E11-R2-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 332 ppm at SB-E11-R2-03	Metals, SVOCs

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
E12-286B	Hall Pack House #2	This structure was thermally decontaminated; The building looks to have been constructed of wood; The former structure was large approximately 125' x 125'; Small amount of debris present, the area is well vegetated; No evidence of a release	SB-E12-286B-01 through SB-E12-286B-05	SB-E12-286B-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 197 ppm at SB-E12-286B-02	Metals
E12-286D	Dynamite Cart House	Very large concrete foundation; Some metal debris within foundation walls; Three large entrances through concrete foundations; Potential stressed vegetation within 1' of concrete foundation	SB-E12-286D-01 through SB-E12-286D-08	SB-E12-286D-05 SB-E12-286D-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
E12-325B	Unknown	8' x 8' area, location based on historical maps	SB-E12-325B-01 through SB-E12-325B-03	SB-E12-325B-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, Metals
E13-2074	Titan Cast Building	New looking building possibly renovated; Three potential loading doors; Loading dock with one loading area; No evidence of exterior catch tank; 3" PVC discharge pipe from building to ditch on north side of building	SB-E13-2074-01 through SB-E13-2074-09	SB-E13-2074-01 SB-E13-2074-06 SB-E13-2074-09	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E
E13-2076	Dynamite Blender	Small 15' x 15' cinder block structure; Loading door on NE side; No evidence of a release	SB-E13-2076-01 through SB-E13-2076-05	SB-E13-2076-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 185 ppm at SB-E13-2076-02	Metals
E13-325	Dynamite Storage	Very old wooden structure; No evidence of a release	SB-E13-325-01 through SB-E13-325-04	SB-E13-325-02	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-E13-325-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
E14-2020	Refuse Shed	Former structure destroyed; Small 10' x 10' pile of wood debris; No evidence of a release (area=100 sq ft)	SB-E14-2020-01 through SB-E14-2020-03	SB-E14-2020-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 816 ppm at SB-E14-2020-03	Metals
F11-54	Paint and Oil Store	Overgrown area, location determined from historical maps	SB-F11-54-01 through SB-F11-54-03	SB-F11-54-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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Dynamite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
F12-2026A	Scrap Shed	Small 10' x 10' wooden structure; Loading door on west side; No evidence of a release	SB-F12-2026A-01 through SB-F12-2026A-05	SB-F12-2026A-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
F12-2039	Unknown	Completely removed no evidence of location; Estimated location; May have been removed for a drainage ditch; No evidence of a release	SB-F12-2039-01 through SB-F12-2039-03	SB-F12-2039-02 SB-F12-2039-01	Sampling location SB-F12-2039-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F12-2039-01	Metals
F12-2075	Former Dynamite Grinder	Appears to be a refurbished building; Three loading doors on north side; One loading door on south side; Loading dock with two loading spots on south side; No evidence of environmental impact	SB-F12-2075-01 through SB-F12-2075-10	SB-F12-2075-03 SB-F12-2075-05	Sampling location SB-F12-2075-05 was determined using professional judgement Group B E&E materials were detected at SB-F12-2075-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals
F12-2075A	Blower House for F12-2075	This is a 10' x 20' wood structure; A large ventilation pipe connects to F12-2075; There is a loading door on the north side; Potential stressed vegetation at steam blow-out on north side	SB-F12-2075A-01 through SB-F12-2075A-05	SB-F12-2075A-03 SB-F12-2075A-04 SB-F12-2075A-05	Sampling location F12-2075A-05 was determined using professional judgement; Sample locations F12-2075A-03/04 were determined using XRF screening; Results indicated an arsenic concentration of 187 ppm at F12-2075A-03 and 135 ppm at SB-F12-2075A-04	Metals
F12-2221	Unknown	This is a very old brick structure; here is a loading door to the north; A drain pipe exits at the southwest corner; No evidence of a release	SB-F12-2221-01 through SB-F12-2221-06	SB-F12-2221-04 SB-F12-2221-05 SB-F12-2221-06	Sampling locations SB-F12-2221-05/06 were determined using professional judgement; Sample location SB-F12-2221-04 was determined using XRF screening; Results indicated an arsenic concentration of 272 ppm at SB-F12-2221-04	Metals, SVOCs
F12-8206	Mule Shed	Old barn; No evidence of a release	SB-F12-8206-01 through SB-F12-8206-05	SB-F12-8206-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 649 ppm at SB-F12-8206-03	Metals

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-42

Nitroglycerin Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
B10-511	Graining House #1	Cement foundation with large amount of debris scatterred on top of it; partially thermally decontaminated; internal motor pit on W wall; pipes and scrap metal present; No evidence of release	SB-B10-511-01 through SB-B10-511-04	SB-B10-511-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
B10-7	TNT in Soil	An area of stressed vegetation N of B11-511 (Graining House # 1) TNT in soil and patches devoid of vegetation (area=3,600 sq ft)	SB-B10-7-01 through SB-B10-7-11	SB-B10-7-02 SB-B10-7-10	Sampling location was determined using XRF screening Results indicated a lead concentration of 578 ppm at SB-7-02 and a lead conentration of 1,404 ppm at SB-B10-7-10 Group A E&E materials were detected at all screening locations using an Expray Test Kit	E&E, SVOCs
B11-1	Acid Recovery Area	Large area of stressed vegetation; bricks, glass, lead pipe present. Not completely void of vegetation, but much is missing (area=3,600 sq ft)	SB-B11-1-01 through SB-B11-1-11	SB-B11-1-08 SB-B11-1-11	Sampling locations were determined using XRF screening Results indicated a lead concentration of 6,360 ppm at SB-B11-1-08 and a lead concentration of 4,076 ppm at SB-B11-1-11	Metals
B11-11	Absorption Tower	Bldg destroyed; area vegetated; No evidence of release	SB-B11-11-01 through SB-B11-11-05	SB-B11-11-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 3,786 ppm at SB-B11-11-05; Group B E&E materials were detcted at SB-B11-11-05 using an Expray Test Kit	Metals, E&E
B11-2044	Redford Paste House, Heater House Catch Tank	Currently standing-used until recently; cut into a slope creating a berm; electric from underground from C11-2; 2 loading doors in front of bldg; catch tank bldg may have sent waste to dynamite ditch to S. No evidence of release	SB-B11-2044-01 through SB-B11-2044-08	SB-B11-2044-03 SB-B11-2044-04 SB-B11-2044-05 SB-B11-2044-06 SB-B11-2044-08	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E
B11-2044C	Control House	Concrete and brick structure; former oil tank on eastern side; fill pipe hole in side of wall is evident; electric conduits on W side oil stain on W side; valve box NW of W corner	SB-B11-2044C-01 through SB-B11-2044C-07	SB-B11-2044C-01 SB-B11-2044C-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCS
B11-6	Tank Cradles	Two tall tank cradles E of B11-2044; Old trash drum between cradles. No evidence of release	SB-B11-6-01 through SB-B11-6-03	SB-B11-6-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 520 ppm at SB-B11-6-03	Metals
C10-10	Concrete Pipe	4' diameter concrete pipe; houses two small asbestos-wrapped pipeslook to be from mixed acid store (D10-211C); probably used so they could drive over the smaller pipes; No evidence of release	SB-C10-10-01 through SB-C10-10-03	SB-C10-10-01 SB-C10-10-02	Sampling location SB-C10-10-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-C10-10-02	SVOCs

Table 5-42

Nitroglycerin Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
C10-12	Unknown	All that remains is an old stone foundation; There are many pipes coming from the TNT area; No evidence of a release	SB-C10-12-01 through SB-C10-12-05	SB-C10-12-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,488 ppm at SB-C10-12-03	Metals, SVOCs
C10-13	Debris	Small area of rusted drum, some concrete fragments, and 6-8" steel pipe partially buried; drum hulk contained a black,granular material: No stressed vegetation; No evidence of release (area=100 sq ft)	SB-C10-13-01 through SB-C10-13-03	SB-C10-13-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
C10-211C	Mixed Acid Storage	Concrete foundation; basin-like structure in center probably for containment; two areas of stressed vegetation appear to be associated; ~40' in diameter NE of bldg and an area ~30' in diameter W of the bldg; foundation overgrown with grass (areas=1600 and 900 sq ft, respectively)	SB-C10-211C-01 through SB-C10-211C-07	SB-C10-211C-04 SB-C10-211C-06 SB-C10-211C-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
C10-5	Unknown	Concrete foundation with a destroyed berm; thermally decontaminated; area vegetated. No evidence of release (area=900 sq ft)	SB-C10-5-01 through SB-C10-5-04	SB-C10-5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
C10-7	Concrete Footers	Three small concrete footers mostly covered with leaves and vegetation pipes in area, but need to be deferred there. No evidence of release	SB-C10-7-01 through SB-C10-7-05	SB-C10-7-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,004 ppm at SB-C10-7-01	Metals, E&E, SVOCs
C11-1	Former pond	Generally a flat area that appears to be flyash and a large number of bottles; bottles are mostly of household variety; two areas of stressed vegetation; old, broken tower in E; black powder storage is estimated to be at point 12 (area=28,000 sq ft)	SB-C11-4-01 through SB-C11-4-20	SB-C11-4-02 SB-C11-4-09 SB-C11-4-13 SB-C11-4-19 SB-C11-4-20	Sampling locations SB-C11-4-09/13/19/20 were determined using XRF screening; Results indicated a lead concentration of 1,493 ppm at SB-C11-4-09, 419 ppm at SB-C11-4-13, 2,349 ppm at SB-C11-4-19, and 419 ppm at SB-C11-4-20 ; Group B E&E materials were detected at SB-C11-4-02/09/13/20 using an Expray Test Kit	Metals, E&E, SVOCs
C11-10	Coal Pile	Old coal pile with no vegetation growing on two sections (area=600 sq ft)	SB-C11-10-01 through SB-C11-10-03	SB-C11-10-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,615 ppm at SB-C11-10-01	Metals

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
C11-12	Name Unknown	Very old rock and brick foundation; use unknown; probably associated with C11-10 (coal pile); possibly a power house. No evidence of release (area=900 sq ft)	SB-C11-12-01 through SB-C11-12-05	SB-C11-12-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,058 ppm at SB-C11-12-02	Metals, SVOCs
C11-15	Shot Bldg	Foundation ripped apart and strewn about; rebar bent; may have been a nitrator or neutralizer; area is vegetated. No evidence of release	SB-C11-15-01 through SB-C11-15-05	SB-C11-15-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
C11-18	Unknown	Rock foundation currently filled with some water; offset exit in SE corner. No evidence of release (area=500 sq ft)	SB-C11-18-01 through SB-C11-18-04	SB-C11-18-02 SB-C11-18-01	Sampling location SB-C11-18-02 was determined using XRF screening; Results indicated a lead concentration of 3,024 ppm. A confirmation sample was collected at SB-C11-18-01	Metals
C11-19	Catch Tank House	Small shed like structure with shingles for siding; housed outside catch tank; catch tank still present; entrance and exit for potential NG waste in the event of a spill; steam and water supplied to bldg. No evidence of release	SB-C11-19-01 through SB-C11-19-05	SB-C11-19-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 815 ppm at SB-C11-19-05	Metals
C11-2233	Neutralizer # 3	Completely covered with a soil berm; two walkways and an NG gutter, wastewater pumped out of the S gutter to the outside catch tank; interior looks to be lead floor; No evidence of release	SB-C11-2233-01 through SB-C11-2233-05	SB-C11-2233-01 SB-C11-2233-02 SB-C11-2233-03	Sampling locations SB-C11-2233-02/03 were determined using professional judgement; Sampling location SB-C11-2233-01 was determined using XRF screening; Results indicated a lead concentration of 476 ppm at SB-C11-2233-01	Metals
C11-2233D	A.C. House	Corrugated steel sided structure; housed AC for C11-2233; cinder block section on NE side; cannot determine utilities; E side contains steam sump and discharge pipe; 15' diameter of stressed vegetation to the W: steam sump discharge outlet covered with algae and a white precipitate	SB-C11-2233D-01 through SB-C11-2233D-06 TP-C11-2233D-07	SB-C11-2233D-05 SB-C11-2233D-06 TP-C11-2233D-07	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location was placed downgradient from the sump	E&E
C11-27	Unknown	Two footers on NE side (1' x1' x 2.5'); ground disturbed; No evidence of release	SB-C11-27-01 through SB-C11-27-05	SB-C11-27-02 SB-C11-27-03	Sampling location was determined using XRF and E&E screening Results indicated a lead concentration of 761 ppm at SB-C11-27-02; Group B E&E compounds were detected at SB-C11-27-03 using an Expray Test Kit. Analytical results did not detect elevated metal concentrations.	E&E, SVOCs

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
C11-30	Acid Recovery Bldg	Very old large foundation; just an area of stressed vegetation; foundation overgrown; No evidence of release	SB-C11-30-01 through SB-C11-30-09	SB-C11-30-01 SB-C11-30-05 SB-C11-30-06	Sampling location was determined using XRF screening Results indicated a lead concentration of 842 ppm at SB-C11-30-05 and 755 ppm at SB-C11-30-05	Metals
C11-4	Stressed Vegetation	Large area of stressed vegetation (area=142,000 sq ft)	SB-C11-1-01 through SB-C11-1-20	SB-C11-1-04 SB-C11-1-05 SB-C11-1-09 SB-C11-1-17	Sampling locations SB-C11-1-04/09 were determined using XRF screening; Results indicated a lead concentration of 12,190 ppm at SB-C11-1-04 and a lead concentration of 2,749 ppm at SB-C11-1-09; Group B E&E materials were detected at C11-1-05 using an Expray Test Kit	Metals, SVOCs, E&E
C11-7	Stressed Vegetation	Small area stained brown that contains stressed vegetation (area=100 sq ft)	SB-C11-7-01 through SB-C11-7-03	SB-C11-7-02	Sampling location was determined from the presence of E&E compounds at SB-C11-7-02 Group A E&E compounds were detected at SB-C11-7-02 using an Expray Test Kit	E&E, SVOCs
C11-8	Stressed Vegetation	Area stained brown that contains debris and very little plant growth; barren in most places (area=1,600 sq ft)	SB-C11-8-01 through SB-C11-8-06	SB-C11-8-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,870 ppm at SB-C11-8-05	Metals, SVOCs
C11-8572C	Storage Shed	Currently existing structure; aluminum sided with large loading/unloading door on E side; associated with nearby catch tank;contains old hoses for pumps. No evidence of release			Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit	E&E
C11-8572D	Instrument Room	Small shed with a meter that monitored the catch tank; aluminum siding. No evidence of release			Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit	E&E
C11-9	Unknown	Very old stone foundation; use of bldg unknown; No evidence of release (area=500 sq ft)	SB-C11-9-01 through SB-C11-9-05	SB-C11-9-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 8,360 ppm at SB-C11-9-04	Metals, SVOCs
D10-1	Stressed Vegetation	Small, 10' x 10', patch of ground where there is no vegetation. Slight brown staining (area=100 sq ft)	SB-D10-1-01 through SB-D10-1-03	SB-D10-1-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,029 ppm at SB-D10-1-02	Metals
D10-10	Brine Chiller	Square pad that contains the brine chiller; pad fairly new with secondary containment; valve to drain secondary containment at SW corner; equipment in good repair; structure covered. No evidence of release	SB-D10-10-01 through SB-D10-10-04	SB-D10-10-01 SB-D10-10-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D10-14	Air Handler	Small concrete pad that supports the air handler for the nitrate bldg; line of stressed vegetation ~3' wide extends from the air handler south.	SB-D10-14-01 through SB-D10-14-05	SB-D10-14-05 SB-D10-14-03	Sampling location SB-D10-14-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D10-14-03	SVOCs
D10-164B	Waste Acid House	Looks like D10-165B except there is pipe along S wall extending into ground (area=400 sq ft)	SB-D10-164B-01 through SB-D10-164B-04	SB-D10-164B-01 SB-D10-164B-02	Sampling locations were determined using XRF screening Results indicated a lead concentration of 3,132 ppm at SB-D10-164B-02 and 1,048 ppm at SB-D10-164B-01	Metals
D10-165B	Waste Acid House	Partial rock foundation remains;area disturbed and vegetated; No evidence of release (area=400 sq ft)	SB-D10-165B-01 through SB-D10-165B-04	SB-D10-165B-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,081 ppm at SB-D10-165B-02	Metals, SVOCs
D10-2007	NG Pilot Plant	Totally removed with very little evidence of its existence; overturned sheet metal shed (4' x 8') resides on location; could not locate lead on foundation; Roux claims it exists; possibly overgrown (area=400 sq ft)	SB-D10-2007-01 through SB-D10-2007-04	SB-D10-2007-02 SB-D10-2007-04	Sampling location SB-D10-2007-02 was determined using XRF screening; Results indicated a lead concentration of 547 ppm. A confirmation sample was collected at SB-D10-2007-04	Metals, SVOCs
D10-2041	Block House	Cinder block structure with steam and electric lines; 5' x 6' cement pad on SE side; possible stressed vegetation on SE side	SB-D10-2041-01 through SB-D10-2041-08	SB-D10-2041-03 SB-D10-2041-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
D10-2227	Nitrator No. 1 and No. 2	Supplied much if not all NG during operation; multiple NG gutters; two lines disconnected; multiple brine, glycerin and acid lines	SB-D10-2227-01 through SB-D10-2227-08	SB-D10-2227-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D10-2230	Spent Acid House	Large structure used to handle spent acid; multiple brine and acid lines; one large brine tank and one removed brine tank on SW side. No evidence of release	SB-D10-2230-01 through SB-D10-2230-08	SB-D10-2230-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,148 ppm at SB-D10-2230-03 Group B E&E materials were also detected at SB-D10-2230-03 using an Expray Test Kit Analytical results did not detect elevated E&E concentrations	Metals
D10-2230A	Acid Scrubber	Wooden and houses the acid scrubber equipment for spent acid house; loading dock for soda at W corner; acid scrubber pipe on NW side of bldg to spent acid house. No evidence of release	SB-D10-2230A-01 through SB-D10-2230A-06	SB-D10-2230A-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D10-2231	NG Catch Tank	Small structure housed an NG catch tank; waste waters flowing into the catch tank where material was captured and water continued on; No evidence of release	SB-D10-2231-01 through SB-D10-2231-04	SB-D10-2231-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
D10-2349	Unknown	Bldg removed; area covered with grass; No evidence of release (area=100 sq ft)	SB-D10-2349-01 through SB-D10-2349-03	SB-D10-2349-02	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 736 ppm at SB-D10-2349-02	Metals
D10-241B	Nitrator	Bldg completely removed; No evidence of release	SB-D10-241B-01 through SB-D10-241B-05	SB-D10-241B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
D10-251	Change House	Bldg removed; area covered with grass; No evidence of release (area=100 sq ft)	SB-D10-251-01 through SB-D10-251-03	SB-D10-251-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D10-4	Sucrose Nitrator	Bldg demolished; constructed of concrete and brick; immediate area vegetated. No evidence of release (area=900 sq ft)	SB-D10-4-01 through SB-D10-4-04	SB-D10-4-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,120 ppm and an arsenic concentration of 353 ppm at SB-D10-4-01	Metals, SVOCs
D10-5	Scrap Pile	Small pile of old scrap pipes; some covered with what looks like asbestos insulation; area vegetated. Asbestos may have been released (area=100 sq ft)	SB-D10-5-01 through SB-D10-5-03	SB-D10-5-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 998 ppm at SB-D10-5-01	Metals
D10-6	Unknown	Concrete and brick foundation; entrance /exit in S; foundation vegetated. No evidence of release	SB-D10-6-01 through SB-D10-6-05	SB-D10-6-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,240 ppm at SB-D10-6-02	Metals, SVOCs
D10-8234	Parts Storage	Small steel shed with a cinder block base; bldg contains flanges some oil, and solvents (Triacitin). No evidence of release.	SB-D10-8234-01 through SB-D10-8234-04	SB-D10-8234-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,933 ppm and a zinc concentration of 8,070 ppm at SB-D10-8234-02	Metals
D10-8284	Unknown	Building completely removed. No evidence of release.	SB-D10-8284-01 through SB-D10-8284-04	SB-D10-8284-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 998 ppm at SB-D10-8284-01	Metals, SVOCs
D11-2031	DNT Heater House	Intact brick structure with elevated walkway; immediate area is vegetated; doesn't appear to be any vegetative impacts.			Reserved for Remedial Investigation due to the presence of DNT	E&E

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
D11-3	NG Wastewater Tank	8' x 10' wastewater tank and associated loading/unloading platform; received wastewater from the catch tank; No evidence of release	SB-D11-3-01 through SB-D11-3-03	SB-D11-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D9-4	Motor and Pump House	Small cinder block structure that contains a water main piping; motor and pumps have been removed; bldg sits low and is partially dug out of a hill. No evidence of release	SB-D9-4-01 through SB-D9-4-04	SB-D9-4-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
D9-8279	Unknown		SB-D9-8279-01 through SB-D09-8279-05	SB-D9-8279-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
D9-9108	Glycerin Storage	Earthen bermed area with four glycerin storage tanks; three tanks ~ 6' x 25' and another ~ 8' x 25'; many pipes along S side of tank feed into pump house; tank furthest to E is oldest and largest and out of service	SB-D9-9108-01 through SB-D9-9108-12	SB-D9-9108-01 SB-D9-9108-04 SB-D9-9108-07 SB-D9-9108-10	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs
E10-2169	Emulsifier House	Wooden structure on concrete footers; floor is lead	SB-E10-2169-01 through SB-E10-2169-04	SB-E10-2169-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 485 ppm and a copper concentration of 880 ppm at SB-E10-2169-03	Metals
E10-2169A	Emulsifier House Catch Tank	Brick structure used as a change house; looks like it has been converted to an office with parts around; septic tank ~ 20' SW of bldg (1 sludge sample taken during Single Phase Remediation effort). No evidence of release	SB-E10-2169A-01 through SB-E10-2169A-04	SB-E10-2169A-01 SB-E10-2169A-04	Sampling location SB-E10-2169A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-E10-2169A-04	E&E, SVOCs
E10-2177	Shed	Bldg nearly completely removed; only evidence is a few rocks from the foundation, some metal debris, and burnt telephone poles; two areas of stressed vegetation one E and one W	SB-E10-2177-01 through SB-E10-2177-06	SB-E10-2177-06	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,723 ppm at SB-E10-2177-06	Metals
E10-4	Concrete Pads	Bldg demolished; three 1.5' x 1.5' footers remain; area vegetated. No evidence of release.	SB-E10-4-01 through SB-E10-4-04	SB-E10-4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
E10-5	Lime Pond	Currently one long line of stone along W side and a ditch along eastern side; area has been filled in and is vegetated. No evidence of release (area=5,500 sq ft)	SB-E10-5-01 through SB-E10-5-13	SB-E10-5-06 SB-E10-5-08	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,330 ppm at SB-E10-5-06 and 2,547 ppm at SB-E10-5-08	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample Ids	Sample Selection Justification	Unrestricted Use Exceedances
E10-618A	NG Chemical Loading Station	Former chemical loading spot for tanker cars; ~ 150 gallon S.S. tank associated; scaffolding to get to top of tanker cars; safety shower; doesn't appear to be any vegetative impacts.	SB-E10-618A-01 through SB-E10-618A-04	SB-E10-618A-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs, E&E
E10-8277	Hose House	Brick foundation with wooden structure; two old NG pipes on E side; electric box on NW corner. No evidence of release	SB-E10-8277-01 through SB-E10-8277-04	SB-E10-8277-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 484 ppm at SB-E10-8277-01	Metals

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
WWTP = Wastewater Treatment Plant
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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PETN Area FA Justification
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AOC Designation	Name	Description	Screening Sample Ids	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
B10-2178	PETN Blender	Old thermally decontaminated structure; large amount of metal scrap and drums present; lead present on the ground, and there is stressed vegetation where this occurs	SB-B10-2178-01 through SB-B10-2178-05	SB-B10-2178-03 SB-B10-2178-05	Sampling locations were determined using XRF screening Results indicated a copper concentration of 1,377 ppm and a zinc concentration of 2,550 ppm at SB-B10-2178-05 and a lead concentration of 7,430 ppm and a zinc concentration of 1,902 ppm at SB-B10-2178-03	Metals, SVOCs, E&E
C10-2	PETN Crystallizer Tank Saddles	Three concrete tank saddles; foundations are 1.5' x 10' separated by about 15'; all tanks removed; a lot of debris surrounding area; area vegetated; No evidence of release	SB-C10-2-01 through SB-C10-2-09	SB-C10-2-04 SB-C10-2-05 SB-C10-2-07	Sampling locations were determined using XRF screening Results indicated a lead concentration of 1,538 ppm at SB-C10-2-04, 1,000 ppm at SB-C10-2-05 and 1,502 ppm at SB-C10-2-07	Metals
C10-2176	PETN Crystallizer	Old foundation, broken with rubble around; pipe in interior of bldg. use is unknown. No evidence of release	SB-C10-2176-01 through SB-C10-2176-05	SB-C10-2176-01 SB-C10-2176-02	Sampling location SB-C10-2176-01 was determined using professional judgement; Group A E&E materials were detected and analyzed at SB-C10-2176-01 using an Expray Test Kit	Metals, E&E, SVOCs
C10-2179	PETN Nitric Acid Store	Three 1' x 7' concrete foundations; area has a slight potential berm; area is vegetated; two old drums E of the foundations; No evidence of release	SB-C10-2179-01 through SB-C10-2179-05	SB-C10-2179-03	Sampling location was determined using professional judgement screening results did not warrant biased sampling	Metals
C10-3	PETN Crystallizer Tank Saddle	Wooden tank cradle designed to hold one tank; tank removed; Great deal of debris adjacent to tank cradle; No evidence of release	SB-C10-3-01 through SB-C10-3-03	SB-C10-3-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 526 ppm at SB-C10-3-02	Metals, E&E
C10-4	PETN Storage	Large, old structure; series of three tank cradles in NE corner with a ceramic pipe to the ground between three additional footers; W side has three more ceramic pipes that go into the ground about one foot; look like steam sumps; three distinct levels to this structure as it moves up slope; No evidence of release	SB-C10-4-01 through SB-C10-4-07	SB-C10-4-02 SB-C10-4-07	Sampling locations were determined using XRF screening Results indicated a lead concentration of 720 ppm at SB-C10-4-02 and 500 ppm at SB-C10-4-07 Analytical results did not detect elevated metal concentrations	E&E

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-44

Development Area FA Justification
Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
G6-2	Unknown	Building demolished, old stone foundation remains; Location of building corners estimated; No evidence of release	SB-G6-2-01 through SB-G6-2-03	SB-G6-2-03 SB-G6-2-02	Sampling location SB-G6-2-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-2-02	SVOCs
G6-3	Unknown Storage House	Dilapidated wooden structure. No evidence of former contents or content description. No evidence of release.	SB-G6-3-01 through SB-G6-3-04	SB-G6-3-01 SB-G6-3-02	Sampling location SB-G6-3-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G6-3-02	SVOCs
G6-8128	Surveillance Test Laboratory	Development laboratory, brick construction over concrete pad. Small surveillance room off W side with a weight on a drop string. No evidence of release	SB-G6-8128-01 through SB-G6-8128-04	SB-G6-8128-04	Sampling location SB-G6-8128-04 was determined using XRF screening; Results indicated a lead concentration of 1,637 ppm at SB-G6-8128-04	Metals, SVOCs
G6-8129	Vacuum Pump House	Brick and corrugated metal over wooden construction; Discharge pipe and lead pipe enter ground on W side; AST on W side. No evidence of release	SB-G6-8129-01 through SB-G6-8129-08	SB-G6-8129-01 SB-G6-8129-05 SB-G6-8129-06	Sampling locations SB-G6-8129-05/06 was determined using professional judgement. Sampling location SB-G6-8129-01 was determined using XRF screening; Results indicated a lead concentration of 569 ppm and a zinc concentration of 2,450 ppm at SB-G6-8129-01	Metals, SVOCs
G6-8242	Store House	Building demolished, minimal evidence of remains; location determined from historical maps; No evidence of release	SB-G6-8242-01 through SB-G6-8242-04	SB-G6-8242-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
G6-8243	Chemical Store House #3	Wooden and corrugated sheet metal construction with dilapidated wood/stone foundation; Possible iron staining on S side; No evidence of release	SB-G6-8243-01 through SB-G6-8243-04	SB-G6-8243-03	Sampling location SB-G6-8243-03 was determined using XRF screening; Results indicated a lead concentration of 726 ppm at SB-G6-8243-01	Metals, SVOCs
G6-8244	Chemical Store House #1	Wooden construction over concrete masonry unit foundation. Metal shelving inside. No evidence of release	SB-G6-8244-01 through SB-G6-8244-04	SB-G6-8244-01 SB-G6-8244-03	Sampling location SB-G6-8244-01 was determined using XRF screening; Results indicated a mercury concentration of 275 ppm. A confirmation sample was collected at SB-G6-8244-03	Metals, SVOCs
G7-2347	Chemical Storage	Building demolished, area currently paved over; Location determined from historical maps; No evidence of release	TP-G7-2347-01 through TP-G7-2347-03	TP-G7-2347-02 TP-G7-2347-03	Test Pits dug through asphalt in sampling locations using professional judgement.	SVOCs, Metals
G7-8139	Medical Building	Brick building built on concrete block foundation; 3 Transformers and utility boxes on S side; No evidence of release	SB-G7-8139-01 through SB-G7-8139-10	SB-G7-8139-02 SB-G7-8139-05 SB-G7-8139-08	Sampling location SB-G7-8139-05 was determined using XRF screening; Results indicated a lead concentration of 493 ppm and a copper concentration of 722 ppm at SB-G6-8139-05. Group B E &E materials were detected at SB-G7-8139-02	Metals

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G7-8249	Store House	Wooden construction with corrugated sheet metal covering on concrete foundation. Appears to be mostly storage. No evidence of release	SB-G7-8249-01 through SB-G7-8249-04	SB-G7-8249-02	Sampling location SB-G7-8249-02 was determined using XRF screening; Results indicated a lead concentration of 771 ppm at SB-G7-8249-02	Metals, SVOCs
G8-2293	Scrap Shed	Building demolished, only minor amounts of wood present; Metal stake for former ground also present No evidence of release (area=100 sq ft)	SB-G8-2293-01 through SB-G8-2293-03	SB-G8-2293-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H5-4	Stressed Soil Area	Area of stressed soil with aggregate present (area=500 sq ft)	SB-H5-4-01 through SB-H5-4-03	SB-H5-4-03	Sampling location SB-H5-4-03 was determined using XRF screening; Results indicated a copper concentration of 2,650 ppm at SB-H5-4-03	Metals, SVOCs
H5-8126	Ballistics Building	Large brick building with multiple entrances. Two long indoor shooting ranges, laboratory areas on W end. Possible release near shooting trap areas.	SB-H5-8126-01 through SB-H5-8126-12	SB-H5-8126-06 SB-H5-8126-07 SB-H5-8126-11	Sampling locations SB-H5-8126-06/07 were determined using XRF screening; Results indicated a lead concentration of 6,420 ppm at SB-H5-8126-06, and a copper concentration of 653 ppm and a mercury concentration of 1,164 ppm at SB-H5-8126-07. Group B E&E materials were determined at SB-H5-8126-11. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
H5-8181	Unknown	Remnant Building, location determined from historical maps	SB-H5-8181-01 through SB-H5-8181-03	SB-H5-8181-01 SB-H5-8181-03	Test Pits dug through asphalt in sampling locations using professional judgement.	SVOCs
H5-938	Trap House	Corrugated metal top on concrete trap house; Filled with scrap wood, glass and ceramic debris; No evidence of release	SB-H5-938-01 through SB-H5-938-04	SB-H5-938-01	Sampling location SB-H5-938-01 was determined using XRF screening; Results indicated a copper concentration of 2,650 ppm at SB-H5-938-01	Metals, SVOCs
H6-8116	Gate House	Aluminum siding over wooden construction on a concrete foundation. No evidence of hazardous materials handled or released.	SB-H6-8116-01 through SB-H6-8116-04	SB-H6-8116-01 SB-H6-8116-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-H6-8116-01. A confirmation sample was collected at SB-H6-8116-02.	SVOCs
H6-8120	General Laboratory	Brick laboratory built on concrete foundation. Multiple vent hoods and discharge pipes, concrete catch pipe with gray material on NW corner	SB-H6-8120-01 through SB-H6-8120-08	SB-H6-8120-04 SB-H6-8120-05 SB-H6-8120-06	Sampling location SB-H6-8120-05 was determined using professional judgement. Sampling locations SB-H6-8120-04/06 were determined using XRF screening; Results indicated a mercury concentration of 363 ppm at SB-H6-8120-04 and a copper concentration of 673 ppm at SB-H6-8120-06	Metals, SVOCs

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H6-8122	Break Room	Concrete and brick building used for breaks and meals only. No suspected as handling hazardous substances. No evidence of release.	SB-H6-8122-01 through SB-H6-8122-04	SB-H6-8122-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H6-8123B	Environmental Office	Old building identified using old maps. Door to the W, a covered concrete pad to the E, and a drain pipe that ends in the SE. No evidence of release.	SB-H6-8123B-01 through SB-H6-8123B-06	SB-H6-8123B-04 SB-H6-8123B-06	Sampling location SB-H6-8123B-06 was determined using professional judgement. Sampling location SB-H6-8120-04 was determined using XRF screening; Results indicated a lead concentration of 432 ppm at SB-H6-8123B-06	Metals
H6-8127	Sensitivity Test Laboratory	Very old concrete and brick building with an extension on E side; No evidence of release	SB-H6-8127-01 through SB-H6-8127-04	SB-H6-8127-02	Sampling location SB-H6-8127-02 was determined using XRF screening; Results indicated a copper concentration of 1,072 ppm at SB-H6-8127-02	Metals, SVOCs
H6-8130	PETN/Stability Laboratory	Brick construction with attached wooden/corrugated metal storage area. Outside NG/smokeless powder waste storage areas. No evidence of release	SB-H6-8130-01 through SB-H6-8130-07	SB-H6-8130-03 SB-H6-8130-06	Sampling location SB-H6-8130-03 was determined using XRF screening; Results indicated a lead concentration of 563 ppm at SB-H6-8130-03 Group B E&E materials were determined at SB-H6-8130-06	Metals, SVOCs, E&E
H6-8152	Main Office	Brick construction on concrete foundation. Four pipe outlets on N and S sides, culvert (possibly sanitary) on center of S side. Basement entrance on W side is listed as asbestos hazard area. No evidence of release.	SB-H6-8152-01 through SB-H6-8152-08	SB-H6-8152-04 SB-H6-8152-05 SB-H6-8152-07	Sampling locations SB-H6-8152-05/07 was determined using professional judgement. Sampling location SB-H6-8152-04 was determined using XRF screening; Results indicated a lead concentration of 418 ppm at SB-H6-8152-04	Metals
H6-8245	Store House	Wood and steel structure; No evidence of release	SB-H6-8245-01 through SB-H6-8245-04	SB-H6-8245-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
H6-8246	Store House	Wood and steel structure; No evidence of release	SB-H6-8246-01 through SB-H6-8246-04	SB-H6-8246-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H6-8250	Store House	Wood and steel structure; There are two AC units on the N side; No evidence of release	SB-H6-8250-01 through SB-H6-8250-04	SB-H6-8250-01 SB-H6-8250-04	Sampling location SB-H6-8250-01 was determined using XRF screening; Results indicated a lead concentration of 933 ppm at SB-H6-8250-01	Metals, SVOCs

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H6-8285	Development Area Change House	Old brick building on a concrete foundation; Two drain pipes on the N and S, a steam drain for N side of building, and a pipe that enters the ground at NE corner; In the SE there is a footer with a tank and drain with SV nearby. Scrap shed with three old water heaters in NE	SB-H6-8285-01 through SB-H6-8285-12	SB-H6-8285-05 SB-H6-8285-07 SB-H6-8285-08 TP-H6-8285-12	Sampling locations SB-H6-8285-05/07 were determined using XRF screening; Results indicated a mercury concentration of 538 ppm at SB-H6-8285-05, and a lead concentration of 493 ppm at SB-H6-8285-07. Group B E&E materials were determined at SB-H6-8285-08. Test Pit location placed downgradient from septic. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs, E&E
H6-8520	Main Gate Substation	Fenced electric substation covered with gravel that contains five telephone poles with many insulators; No evidence of release	SB-H6-8520-01 through SB-H6-8520-05	SB-H6-8520-01 SB-H6-8520-02 SB-H6-8520-03 SB-H6-8520-04 SB-H6-8520-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	PCBs
H7-13	Unknown	Building demolished, only concrete footer remains; Stressed vegetation adjacent to SW corner footer-slag present	SB-H7-13-01 through SB-H7-13-05	SB-H7-13-05	Sampling location SB-H7-13-05 was determined using XRF screening; Results indicated a lead concentration of 4,950 ppm at SB-H7-13-05	Metals, E&E, SVOCs
H7-15	Store House	Small empty aluminum sided shed; No evidence of release	SB-H7-15-01 through SB-H7-15-04	SB-H7-15-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
H7-2172	Canister House	Canister house with multiple loading areas	SB-H7-2172-01 through SB-H7-2172-08	SB-H7-2172-03 SB-H7-2172-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E
H7-606L	Unknown	Building demolished, location determined from historical maps. No evidence of release	SB-H7-606L-01 through SB-H7-606L-03	SB-H7-606L-01	Sampling location SB-H7-606L-01 was determined using XRF screening; Results indicated an arsenic concentration of 331 ppm at SB-H7-606L-01. Analytical results did not detect elevated metal concentrations.	Metals, SVOCs
H7-8123A	Propellant Development	Wood and steel structure on concrete foundation with a small concrete pad to the S that held an air handler. Two doors on each the E and W sides, and a pipe outlet on the N side with a steam drain. SV associated with the air handler pad	SB-H7-8123A-01 through SB-H7-8123A-08	SB-H7-8123A-03 SB-H7-8123A-06	Sampling locations SB-H7-8123A-03/06 were determined using XRF screening; Results indicated a lead concentration of 808 ppm at SB-H7-8123A-03 and 15,980 ppm at SB-H7-8123A-05 and a mercury concentration of 343 ppm at SB-H7-8123A-05	Metals, SVOCs, E&E

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H7-8131	Smokeless Military Building	Wooden and concrete structure with a series of doors; 2 catch tanks and an air handler with a drain pipe to the S; The drain pipe has SV associated with discharge there	SB-H7-8131-01 through SB-H7-8131-09	SB-H7-8131-04 SB-H7-8131-06	Group B E&E materials were detected using an Expray Test Kit at sampling location SB-H7-8131-04. Sampling location SB-H7-8131-06 was determined using professional judgement. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
H7-8142	Experimental Smokeless Office	Concrete and wood construction, steam pipes enter in rear (west). Concrete pad on N side probably for AC or electrical unit; No evidence of release	SB-H7-8142-01 through SB-H7-8142-05	SB-H7-8142-05	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-H7-8142-05	Metals, E&E
H7-8143	Dry House	Wooden building over concrete foundation; Small air handler present at S corner; No evidence of release	SB-H7-8143-01 through SB-H7-8143-04	SB-H7-8143-04 SB-H7-8143-03	Sampling location SB-H7-8143-04 was determined using XRF screening; Results indicated a lead concentration of 595 ppm and a copper concentration of 1,095 ppm at SB-H7-8143-04. A confirmation sample was collected at SB-H7-8143-03. Analytical results did not detect elevated metal concentrations.	SVOCs, E&E
H7-8144	Rest House	Rest house surrounded by magazine; Tar-like material on SE corner, black-red color and very viscous; Stressed soil area adjacent to this	SB-H7-8144-01 through SB-H7-8144-06	SB-H7-8144-05 SB-H7-8144-01	Sampling location SB-H7-8144-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H7-8144-01.	E&E
H7-8145	Dry House	Wooden building on concrete slab. Three loading doors cover the entire N and S side of the building. No evidence of release	SB-H7-8145-01 through SB-H7-8145-04	SB-H7-8145-01 SB-H7-8145-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E
H7-8252	Solvent Storage	Wooden and corrugated sheet metal construction; Area of tar-like seep in rear	SB-H7-8252-01 through SB-H7-8252-04	SB-H7-8252-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H7-8255	Unknown Laboratory Room	Concrete and plaster construction with laboratory tables inside. No evidence of release	SB-H7-8255-01 through SB-H7-8255-04	SB-H7-8255-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, Metals
H7-9	Unknown	Old dilapidated concrete foundation; No evidence of release	SB-H7-9-01 through SB-H7-9-04	SB-H7-9-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H7-916	Fuel Oil Storage	Building or tanks demolished; Location determined from historical maps; No evidence of release	SB-H7-916-01 through SB-H7-916-03	SB-H7-916-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, VOCs

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H8-2	Unknown	Building demolished, only concrete footers remain; No evidence of release	SB-H8-2-01 through SB-H8-2-05	SB-H8-2-03	Sampling location SB-H8-2-03 was determined using XRF screening; Results indicated an arsenic concentration of 159 ppm at SB-H8-2-03	Metals, SVOCs
H8-8102	PETN Lactose Laboratory	All that remains is the foundation, the laboratory structure has been removed; No evidence of release	SB-H8-8102-01 through SB-H8-8102-05	SB-H8-8102-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
H8-9221	Development Screen House	Brick and wooden construction with small concrete pad to rear for air handler Screen trays and shelving present inside. Green anti-static material evident; loading area on E side. No evidence of release	SB-H8-9221-01 through SB-H8-9221-05	SB-H8-9221-03 SB-H8-9221-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
I5-2	Bunker	Small bunker with two shelves along each side covered by soil. One electrical connection and an insulated steam pipe at front. No evidence of release	SB-I5-2-01 through SB-I5-2-02	SB-I5-2-01 SB-I5-2-02	Sampling location SB-I5-2-01 was determined using XRF screening; Results indicated a lead concentration of 1,902 ppm and a copper concentration of 701 ppm at SB-I5-2-01. Sampling location SB-I5-2-02 was determined using professional judgement	Metals
I5-3	Bullet Kiln	Concrete pad surrounded by an area of residual release, minor amounts of lead, bullet shells and a few bullets with propellant not detonated (area=2,000 sq ft)	SB-I5-3-01 through SB-I5-3-07	SB-I5-3-03 SB-I5-3-06	Sampling locations SB-I5-3-03/06 were determined using XRF screening; Results indicated a lead concentration of 2,155 ppm at SB-I5-3-03 and 38,680 ppm at SB-I5-3-06 and an antimony concentration of 457 ppm at SB-I5-3-06. Group B E&E materials were detected at SB-I5-3-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals
I5-4	Unknown	Concrete pad with macadam and aggregate area on N side Additional wood and concrete debris off edge of E corner of pad. No evidence of release	SB-I5-4-01 through SB-I5-4-03	SB-I5-4-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
I5-5	Front Face of Backstop	Soil berm with protruding rebar Metal L-shaped rebar and metal scrap at base on berm on SE end. No evidence of release	SB-I5-5-01 through SB-I5-5-04	SB-I5-5-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
I5-8	Explosive Test Tunnel	Steel tunnel extended into the hill and now mostly filled with sand. Part of the roof has been blown off, but is still covered with dirt. No evidence of release	SB-I5-8-01 through SB-I5-8-03	SB-I5-8-01 SB-I5-8-02	Sampling location SB-I5-8-01 was determined using XRF screening; Results indicated a lead concentration of 944 ppm at SB-I5-8-01. A confirmation sample was collected at SB-I5-8-02.	Metals

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I5-8141	A Range Test House	Concrete rubble, reinforcing bar, sheet metal, and 1" pipe remain where this building previously stood. No evidence of release	SB-I5-8141-01 through SB-I5-8141-05	SB-I5-8141-01 SB-I5-8141-03	Sampling location SB-I5 8141-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I5-8141-03.	Metals
I5-8170	Nitrogen Laboratory	Concrete and corrugated metal building with wooden roof; Recorder and meter room to the W; Larger room to the E with laboratory table and rectangular object with electric box mounted on back; Asbestos insulation/lining of walls; No evidence of release	SB-I5-8170-01 through SB-I5-8170-04	SB-I5-8170-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
I6-1	Heater House	Wood and steel building with a duct from the heater house to I6-8132. No evidence of release	SB-I6-1-01 through SB-I6-1-04	SB-I6-1-04	Sampling location SB-I6-1-04 was determined using XRF screening; Results indicated an arsenic concentration of 270 ppm at SB-I6-1-04	Metals, SVOCs
I6-11	Stressed Soil Area	Stressed soil area containing laboratory glassware, slag, metal debris and ceramic mesh or cloth wiring wrapping (area=400 sq ft)	SB-I6-11-01 through SB-I6-11-03	SB-I6-11-01	Sampling location SB-I6-11-01 was determined using XRF screening; Results indicated a lead concentration of 3,216 ppm and a zinc concentration of 11,080 at SB-I6-11-01	Metals
I6-5	Ingredient Storage	Wooden structure with three bays on the E and drain pipe on NW corner (probably a steam drain). No evidence of release	SB-I6-5-01 through SB-I6-5-08	SB-I6-5-02 SB-I6-5-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I6-8125	Research Laboratory	Wooden structure with lead floor and concrete foundation; There is a heater house and catch tank on the west side; Catch tank has a lead pipe. No evidence of release	SB-I6-8125-01 through SB-I6-8125-07	SB-I6-8125-03 SB-I6-8125-05 SB-I6-8125-07	Sampling location SB-I6-8125-03 was determined using XRF screening; Results indicated a mercury concentration of 669 ppm at SB-I6-8125-03. Sampling locations SB-I6-8125-05/07 were determined using professional judgement	Metals
I6-8132	Consolidated Charge Building	Old wooden structure encased within a berm with a rail loading area on the E side. Total of six doors, some doors are now covered by the berm, indicating it was added after building had been completed. No evidence of release	SB-I6-8132-01 through SB-I6-8132-10	SB-I6-8132-02 SB-I6-8132-03 SB-I6-8132-05	Sampling locations SB-I6-8132-02/03 were determined using XRF screening; Results indicated an arsenic concentration of 198 ppm at SB-I6-8132-02 and a lead concentration of 640 ppm at SB-I6-8132-03. Sampling location SB-I6-8132-05 were determined using professional judgement	Metals, E&E

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I6-8171	High Energy Laboratory	Concrete and wooden structure with five bays on E side. Concrete tunnel with a vent and catch tank house on NW corner. Air conditioner on a concrete pad on S side. There is a pile of scrap insulation and duct work	SB-I6-8171-01 through SB-I6-8171-09	SB-I6-8171-01 SB-I6-8171-04 SB-I6-8171-06 SB-I6-8171-07	Sampling location SB-I6-8171-07 was determined using XRF screening; Results indicated an arsenic concentration of 148 ppm at SB-I6-8171-07. Sampling locations SB-I6-8181-01/04/06 were determined using professional judgement	SVOCs, Metals
I6-8171A	Chem Storage	Chemical storage associated with the High Energy Lab; Location determined from historic maps	SB-I6-8171A-01 through SB-I6-8171A-03	SB-I6-8171A-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, Metals
I6-8172	DNT Store	Concrete and wood structure with a pile of old lead flooring along the W side, building surrounded by four grounding stakes two doors on the E side and one on the west.	SB-I6-8172-01 through SB-I6-8172-07	SB-I6-8172-06	Sampling location SB-I6-8172-06 was determined using XRF screening; Results indicated an arsenic concentration of 128 ppm at SB-I6-8172-06	Metals
I6-8173	Store House	Concrete structure used to store explosives; No evidence of release	SB-I6-8173-01 through SB-I6-8173-05	SB-I6-8173-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I6-8183	AC/Heater House	Wooden structure on concrete pad. Duct and steam line to the E, entrance in the SW corner. Steam enters on W, brown stained soil from steam in NE corner.	SB-I6-8183-01 through SB-I6-8183-05	SB-I6-8183-01 SB-I6-8183-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
I6-8184	Catch Tank	Small wooden structure on a concrete basin that is lead-lined. The catch tank is a lead barrel-like tank with baffles. There is a plastic pipe that exits the building to the W and ends in a field. Potential release at the drain, but no evidence of release exists.	SB-I6-8184-01 through SB-I6-8184-02	SB-I6-8184-02	Sampling location SB-I6-8184-02 was determined using XRF screening; Results indicated a lead concentration of 1,841 ppm at SB-I6-8184-02	Metals, E&E
I6-8192	Storage Shed	Wood and steel structure used to store equipment; There is a floor drain on the S corner inside the building; No evidence of release	SB-I6-8192-01 through SB-I6-8192-04	SB-I6-8192-01 SB-I6-8192-03	Sampling location SB-I6-8192-03 was determined using XRF screening; Results indicated a lead concentration of 874 ppm and a zinc concentration of 4,450 ppm at SB-I6-8192-03. Sampling location SB-I6-8192-01 was determined using professional judgement	SVOCs, Metals
I6-9	Catch Tank House	Wooden structure on concrete foundation with doors on E and W. Catch tank line from I6-8171 enters on E corner. No evidence of release	SB-I6-9-01 through SB-I6-9-06	SB-I6-9-04 SB-I6-9-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, Metals

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I6-9210	Ballistics Magazine #4	Wooden building with corrugated sheet metal on concrete slab Wood-encased earthen berm on S side of building No evidence of release.	SB-I6-9210-01 through SB-I6-9210-04	SB-I6-9210-03 SB-I6-9210-02	Sampling location SB-I6-9210-03 was determined using XRF screening; Results indicated a lead concentration of 776 ppm and a zinc concentration of 5,500 ppm at SB-I6-9210-03. A confirmation sample was collected at SB-I6-9210-02. Analytical results did not detect elevated metal concentrations.	E&E
I6-9215	Charge Building Shed	Small wood and aluminum storage shed; No evidence of release	SB-I6-9215-01 through SB-I6-9215-04	SB-I6-9215-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I6-E3	Explosive Waste/ Storage Shed	Wooden structure with steam pipe entering to the E; Explosive waste was stored to the N, general storage within the building. No evidence of release.	SB-I6-E3-01 through SB-I6-E3-05	SB-I6-E3-05 SB-I6-E3-04	Sampling location SB-I6-E3-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I6-E3-04.	E&E
I7-8	Unknown	Building has been removed, two large concrete foundations remain. No evidence of release.	SB-I7-8-01 through SB-I7-8-05	SB-I7-8-03	Sampling location SB-I7-8-03 was determined using XRF screening; Results indicated a zinc concentration of 2,410 ppm at SB-I7-8-03	Metals
J5-5	Old Decontamination Oven	Old decontamination oven sitting on a concrete pad; Charred area around oven from decontamination efforts	SB-J5-5-01 through SB-J5-5-04	SB-J5-5-04	Sampling location SB-J5-5-04 was determined using XRF screening; Results indicated a lead concentration of 4,400 ppm at SB-J5-5-04	SVOCs, Metals, E&E
J6-2	Blower Shed	The shed has partially been dismantled on the concrete pad. Housed what is left of a blower. No evidence of release	SB-J6-2-01 through SB-J6-2-04	SB-J6-2-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J6-2-03. Analytical results did not detected elevated E&E concentrations	Metals
J6-2245	Composite Cast House	Currently all that remains is a pile of broken foundation that has been pushed S of the building. Some vegetation is sparse and may or may not be stressed.	SB-J6-2245-01 through SB-J6-2245-05	SB-J6-2245-05 SB-J6-2245-03	Sampling location SB-J6-2245-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J6-2245-03.	SVOCs
J6-3	Unknown	Two story standing building that has been thermally decontaminated SV within the footprint of the building, and there is some lead associated with the SV. Building probably associated with J6-8134	SB-J6-3-01 through SB-J6-3-04	SB-J6-3-02	Sampling location SB-J6-3-02 was determined using XRF screening; Results indicated a lead concentration of 1,939 ppm at SB-J6-3-02. Analytical results did not detect elevated metal concentrations.	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J6-8133	Experimental Dynamite Mix House	Old wooden building with a narrow gauge railroad on S side for loading, and four loading doors. There is a berm on the N, E, and W sides, there is a pipe through the berm to where the catch tank is estimated. No evidence of release.	SB-J6-8133-01 through SB-J6-8133-08	SB-J6-8133-01 SB-J6-8133-04 SB-J6-8133-05	Sampling location SB-J6-8132-01 was determined using XRF screening; Results indicated a lead concentration of 435 ppm at SB-J6-8132-01. Sampling location SB-J6-8133-04 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-J6-8133-05. Analytical results did not detect elevated E&E concentrations.	Metals, E&E, SVOCs
J6-8134	Experimental Dynamite Packhouse	Thermally decontaminated structure, no sign of catch tank. There is lead on the ground probably from decontamination. Asbestos has been released from an asbestos covered water pipe; Blower house adjacent to the demolished structure.	SB-J6-8134-01 through SB-J6-8134-05	SB-J6-8134-01 SB-J6-8134-04 SB-J6-8134-05	Sampling locations SB-J6-8134-04/05 were determined using XRF screening; Results indicated a lead concentration of 502 ppm at SB-J6-8134-04 and a zinc concentration of 3,270 ppm at SB-J6-8134-05. Sampling location SB-J6-8134-01 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.	SVOCs
J6-8136	Bonded Store House	Small wooden building with three doors on N side and pipe (possible drain) exiting on the W side. No evidence of a release	SB-J6-8136-01 through SB-J6-8136-08	SB-J6-8136-04 SB-J6-8136-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
J6-8167	Heater House	Small wooden structure on concrete foundation that contains a heater and duct work to J6-8133. Several pipes exit the building to the N. No evidence of release.	SB-J6-8167-01 through SB-J6-8167-04	SB-J6-8167-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
J6-9	Electric Transformer	Small intact transformer on pole. No evidence of release	SB-J6-9-01	SB-J6-9-01	Sampling location SB-J6-9-01 was determined using XRF screening; Results indicated a lead concentration of 814 ppm at SB-J6-9-01	Metals
J6-915	Experimental Dynamite Mix House Shed	Old wooden shed used for the mix house, shed has been removed and the site is now clean. There is no evidence of a release (area=100 sq ft)	SB-J6-915-01 through SB-J6-915-03	SB-J6-915-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
J6-941A	Command Post Dynamite Test Ground	Small steel shed that was used to monitor testing of experimental dynamite. No evidence of release	SB-J6-941A-01 through SB-J6-941A-04	SB-J6-941A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
J6-942(A)	Chemical Storage Shed	Small steel shed with wooden racks inside. There is a box of some material on the floor inside. No evidence of release.	SB-J6-942A-01 through SB-J6-942A-04	SB-J6-942A-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J7-3	Former Discarded Drums	All that remains is minor amounts of metal debris in this area. Drums have been removed. No evidence of release.	SB-J7-3-01 through SB-J7-3-03	SB-J7-3-03	Sampling location SB-J7-3-03 was determined using XRF screening; Results indicated a lead concentration of 641 ppm at SB-J7-3-03	Metals, SVOCs
K6-1	Unknown		SB-K6-1-01 through SB-K6-1-03	SB-K6-1-01 SB-K6-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-K06-1-02.	SVOCs
K6-9214	Store House #4	Old wooden store house on concrete foundation. Wood and earthen berm to the N, two loading doors to the W. No evidence of release.	SB-K6-9214-01 through SB-K6-9214-06	SB-K6-9214-03 SB-K6-9214-05	Sampling location SB-K6-9214-03 was determined using XRF screening; Results indicated a lead concentration of 577 ppm at SB-K6-9214-03; Sampling location SB-K6-9214-05 was determined using professional judgement	Metals
K6-9217	Experimental Dynamite Magazine	Old wooden structure on concrete footers with a lead floor covered with wood; Canopy and wooden berm on the W side, loading dock adjacent to the S corner. No evidence of release.	SB-K6-9217-01 through SB-K6-9217-05	SB-K6-9217-01 SB-K6-9217-05	Sampling location SB-K6-9217-01 was determined using XRF screening; Results indicated a lead concentration of 443 ppm at SB-K6-9217-01; Sampling location SB-K6-9217-05 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.	E&E
K7-8651	Hose House	Building has been completely removed, all that remains is a concrete footer and three small earthen piles No evidence of release (area=100 sq ft)	SB-K7-8651-01 through SB-K7-8651-03	SB-K7-8651-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
L4-4	Lead Smelter	Building has been destroyed. Lead in front of, and around, the former building, as well as scattered metal debris (area=900 sq ft)	SB-L4-4-01 through SB-L4-4-04	SB-L4-4-02	Sampling location SB-L4-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,518 ppm at SB-L4-4-02	Metals
L5-1	Former Dry Well	3' concrete pipe extending into the ground used to test shoot dynamite. Pipe filled in, so depth unknown	SB-L5-1-01 through SB-L5-1-02	SB-L5-1-01	Sampling location SB-L5-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,144 ppm and copper concentration of 628 ppm at SB-L5-4-02	Metals, VOCs, E&E, SVOCs
L5-10	Stressed Vegetation	SV area devoid of vegetation, reason unknown. Area runs down the slope into the marsh (area=2,300 sq ft)	SB-L5-10-01 through SB-L5-10-08	SB-L5-10-04 SB-L5-10-05 SB-L5-10-06	Sampling locations SB-L5-10-04/05 were determined using XRF screening; Results indicated a lead concentration of 515 ppm at SB-L5-10-04 and 1,796 ppm at SB-L5-10-05; Sampling location SB-L5-10-06 was determined using professional judgement	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L5-2275	Decon Oven	Former site of decontamination oven, currently barren with pieces of scrap metal and ash (area=1,100 sq ft). Ash has moved down the back slope toward the adjacent marsh	SB-L5-2275-01 through SB-L5-2275-04	SB-L5-2275-01	Sampling location SB-L5-2275-01 was determined using XRF screening; Results indicated a lead concentration of 6,170 ppm and a mercury concentration of 276 ppm at SB-L5-2275-01	Metals
L5-2313	Can Wash Area	Building has been removed with no evidence of existence. Several can lids and stressed vegetation remain. There is a slope leading to the marsh in the W (area = 900 sq ft)	SB-L5-2313-01 through SB-L5-2313-17	SB-L5-2313-12 SB-L5-2313-17	Sampling location SB-L5-2313-17 was determined using XRF screening; Results indicated a lead concentration of 408 ppm and a zinc concentration of 1,872 ppm at SB-L5-2313-17; Sampling location SB-L5-2313-12 was determined using professional judgement. Analytical results did not detect elevated metal concentrations.	SVOCs
L5-4	Dynamite Test Shed	Building has been nearly completely removed. Remains include a low bermed area, some old test plates, wood beams and a pulley. No evidence of release.	SB-L5-4-01 through SB-L5-4-05	SB-L5-4-02	Sampling location SB-L5-4-02 was determined using XRF screening; Results indicated a lead concentration of 1,144 ppm and a copper concentration of 628 ppm at SB-L5-4-02	Metals, E&E, SVOCs
L5-5	Kerosene Tank	Wooden construction over concrete base that housed kerosene tank used at the old burning ground. Tank has been removed. No evidence of release.	SB-L5-5-01 through SB-L5-5-04	SB-L5-5-01 SB-L5-5-03	Sampling location SB-L5-5-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L5-5-03.	VOCs, SVOCs
L5-539	Dry House	Former building has been removed, all that remains is a berm and old scrap pipes. No evidence of release.	SB-L5-539-01 through SB-L5-539-05	SB-L5-539-03	Sampling location SB-L5-539-03 was determined using XRF screening; Results indicated a lead concentration of 962 ppm at SB-L5-539-03	Metals
L5-6	Stressed Vegetation	Large area of SV associated with dynamite test area (area=7,600 sq ft)	SB-L5-6-01 through SB-L5-6-16	SB-L5-6-02 SB-L5-6-03 SB-L5-6-05 SB-L5-6-10	Sampling locations SB-L5-6-02/05/10 were determined using XRF screening; Results indicated a lead concentration of 756 ppm at SB-L5-6-02, a lead concentration of 1,235 ppm and a copper concentration of 773 ppm at SB-L5-6-05, and a lead concentration of 1,021 ppm at SB-L5-6-10; Group B E&E materials were detected at sampling location SB-L5-6-03	SVOCs, Metals, E&E
L5-7	Electric Transformer	Small electric transformer on top of telephone pole; Transformer looks corroded but intact; No evidence of release	SB-L5-7-01	SB-L5-7-01	Sampling location SB-L5-7-01 was determined using XRF screening; Results indicated a lead concentration of 462 ppm at SB-L5-7-01	Metals

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L5-8	Earthen Pit	8'-10' foot deep earthen pit that may have been used as a heater house or for berm material, small metal can in pit. No evidence of release (area=1,600 sq ft)	SB-L5-8-01 through SB-L5-8-06	SB-L5-8-05	Sampling location SB-L5-8-05 was determined using XRF screening; Results indicated a lead concentration of 1,711 ppm and a copper concentration of 676 ppm at SB-L5-8-05	Metals
L5-8318	Dynamite Test House	No evidence of the former building; There is stressed vegetation over the whole area	SB-L5-8318-01 through SB-L5-8318-03	SB-L5-8318-02	Sampling location SB-L5-8318-02 was determined using XRF screening; Results indicated a lead concentration of 643 ppm at SB-L5-8318-02	Metals, E&E, SVOCs
L5-9546	Command Post for Old Burning Ground	Small steel building used to monitor burning activities; No evidence of release	SB-L5-9546-01 through SB-L5-9546-04	SB-L5-9546-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, Metals
L6-1	Debris Area and Stressed Vegetation	Dumping area along the W bank of the duck pond. Consists of general debris and wood, two drums, and many lids. S section contains large area of S.V. Soil is black and no vegetation is growing (area=7,400 sq ft)	SB-L6-1-01 through SB-L6-1-15	SB-L6-1-01 SB-L6-1-02 SB-L6-1-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
L6-370	Dry House	Building has been removed except for a fallen down wooden berm and the concrete foundation footers	SB-L6-370-01 through SB-L6-370-05	SB-L6-370-05 SB-L6-370-03	Sampling location SB-L6-370-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-370-03.	SVOCs, Metals
L6-371	Dry House	Dismantled dry house, the concrete footers have been pushed over and the berm has been mostly destroyed. No evidence of release	SB-L6-371-01 through SB-L6-371-05	SB-L6-371-01 SB-L6-371-02	Sampling location SB-L6-371-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L6-371-02.	SVOCs
L6-9	Heater House	Small earthen pit used to house the heater house for dry house K6-529. Pit is larger than previous heater house pits. No evidence of release (area=700 sq ft).	SB-L6-9-01 through SB-L6-9-04	SB-L6-9-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
M4-1	Pistol Range	50 yard pistol range, back stop is intact and overgrown; No evidence of release (area=3,700 sq ft)	SB-M4-1-01 through SB-M4-1-13	SB-M4-1-02 SB-M4-1-05 SB-M4-1-09 SB-M4-1-11 SB-M4-1-13	Sampling location SB-M4-1-13 was determined using XRF screening; Results indicated a lead concentration of 497 ppm, a copper concentration of 1,032 ppm and a zinc concentration of 1,872 ppm at SB-M4-1-13; Sampling locations SB-M4-1-02/05/09/11 were determined using professional judgement	Metals

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
M5-3	Old Burning Ground	Area used to thermally decontaminate old equipment. Debris consists of shell casings, lead pipes, wood, old process equipment and other metal fragments. Several areas of S.V. within the boundary (area=127,000 sq ft)	SB-M5-3-01 through SB-M5-3-20	SB-M5-3-01 SB-M5-3-02 SB-M5-3-04 SB-M5-3-07 SB-M5-3-11 SB-M5-3-16 SB-M5-3-17 SB-M5-3-19	Sampling locations SB-M5-3-02/04/07/11/17/19 were determined using XRF screening; Results indicated a lead concentration of 1,232 ppm, a copper concentration of 1,410 ppm and a zinc concentration of 1,240 ppm at SB-M5-3-02; a zinc concentration of 3,670 ppm at SB-M5-3-04; a lead concentration of 1,493 ppm, a copper concentration of 1,000 ppm and a zinc concentration of 13,290 ppm at SB-M5-3-07; a lead concentration of 3,820 ppm, a copper concentration of 2,090 ppm and a zinc concentration of 6,100 ppm at SB-M5-3-11; a lead concentration of 2,358 ppm, a copper concentration of 1,073 ppm and a zinc concentration of 2,470 ppm at SB-M5-3-17; a lead concentration of 1,884 ppm, a copper concentration of 694 ppm and a zinc concentration of 7,610 ppm at SB-M5-3-19; Group B E&E materials were detected at sampling locations SB-M5-3-01/02/04/16/17/19	E&E, SVOCs, Metals
M5-8166E	Toilet and Water Heater House	Small cinderblock structure housing shooting block toilet and water heater. Toilet discharges to a septic tank to the S. No evidence of release	SB-M5-8166E-01 through SB-M5-8166E-04	SB-M5-8166E-01 SB-M5-8166E-02	Sampling location SB-M5-8166E-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M5-8166E-02.	SVOCs
N4-2	Blast Chamber	Circular dugout section of the hill covered with earth and made of thick reinforced steel Appeared to have tested explosives by shooting at them Sand piled and what looks like a blast area inside Inside metal has impact marks There may be residual explosive material	SB-N4-2-01 through SB-N4-2-03	SB-N4-2-02 SB-N4-2-01	Sampling location SB-N4-2-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N4-2-01.	Metals, SVOCs, E&E
N4-3	Debris Pile	Small debris pile that contains blasting cap wires, three old drums and scrap metal	SB-N4-3-01 through SB-N4-3-03	SB-N4-3-02 SB-N4-3-03	Sampling location SB-N4-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N4-3-03.	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
N5-6	Debris Area	Debris area containing several old drums, wood and spent blasting caps and wires (area=8,600 sq ft)	SB-N5-6-01 through SB-N5-6-17	SB-N5-6-14	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector

XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot

" = Inch
 = Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Diazo Area FA Justification
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H8-1	Diazo Ponds	S pond's location evident due to stressed vegetation areas; N pond located from map; S pond shows dark brown to black soil staining with a red tint to staining (area=10,000 sq ft)			This AOC has been referred to the Remedial Investigation	E&E
H8-584	Can Stop Paint Shop	Bldg demolished-minimal evidence of former bldg; No evidence of release			This AOC has been referred to the Remedial Investigation	E&E
H8-9328	Diazo Store	Wooden and corrugated sheet metal bldg on concrete footers railroad loading on W side; storage only; No evidence of release	SB-H8-9328-01 through SB-H8-9328-07	SB-H8-9328-05 SB-H8-9328-06	Sampling locations SB-H8-9328-05/06 were determined using XRF screening; Results indicated a lead concentration of 809 ppm at SB-H8-9328-05 and 1,043 ppm at SB-H8-9328-06	Metals

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-46

Maintenance Area FA Justification
Phase I - Site Investigation
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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
F10-1	Unknown Foundation	Large concrete foundation footers present within larger pad area catch tank box on NE side; multiple 6" to 8" pipes extending into ground; lead floor present formerly.	SB-F10-1-01 through SB-F10-1-07	SB-F10-1-01 SB-F10-1-04 SB-F10-1-06 SB-F10-1-07	Group B E&E materials were detected using an Expray Test Kit at SB-F10-1-01 and was analyzed for E&E only. Sample SB-F10-1-04 was determined using XRF screening. Results indicated a copper concentration of 647 ppm at SB-F10-1-04. Samples SB-F10-1-06/07 were determined using professional judgement.	Metals, E&E
F10-20	Unknown Shed	Small wooden storage shed with large diameter steam piping running through it. No evidence of release	SB-F10-20-01 through SB-F10-20-04	SB-F10-20-02 SB-F10-20-03	Group B E&E materials were detected using an Expray Test Kit at SB-F10-20-03 and was analyzed for E&E only. Sample SB-F10-20-02 was determined using XRF screening. Results indicated an arsenic concentration of 835 ppm at SB-F10-20-02. Analytical results did not detect elevated E&E concentrations.	Metals
F10-44	Paper Store	Bldg demolished-minimal evidence of paper store; No evidence of release	SB-F10-44-01 through SB-F10-44-05	SB-F10-44-05 SB-F10-44-04	Sampling location SB-F10-44-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F10-44-04	SVOCs
F10-8576	Propane Storage	Currently dilapidated area, only two concrete footers remain, other footers, tanks, and cradles removed. Old, small pump present and a "snap switch" and pressure gauges at SW side. No evidence of release	SB-F10-8576-01 through SB-F10-8576-05	SB-F10-8576-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
F11-2	Garage	Building demolished, minimal evidence of remains. Location determined from historical maps. No evidence of release.	SB-F11-2-01 through SB-F11-2-03	SB-F11-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
F11-43	Ingredient Storage	Bldg demolished-minimal evidence remains; No evidence of release	SB-F11-43-01 through SB-F11-43-05	SB-F11-43-03 SB-F11-43-02	Sampling location SB-F11-43-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-43-02	SVOCs
F11-458	Fire Chief House	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-458-01 through SB-F11-458-03	SB-F11-458-02 SB-F11-458-01	Sampling location SB-F11-458-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F11-458-01	SVOCs
F11-6813	Glycerin Storage	Large concrete pad with rail mounted to wooden members; Rail runs perpendicular to major pad axis drum labeled "rosin" on concrete pad; No evidence of a release	SB-F11-6813-01 through SB-F11-6813-04	SB-F11-6813-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
F11-8113	Laboratory	Building demolished-minimal evidence of former laboratory. Location determined from historical maps. No evidence of release.	SB-F11-8113-01 through SB-F11-8113-03	SB-F11-8113-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 19,200 ppm at SB-F11-8113-02	Metals
F11-8227	Change House	Building demolished-minor amount of concrete rubble present at W corner. Area currently covered with gravel and macadam. Septic associated with the building. No evidence of release	SB-F11-8227-01 through SB-F11-8227-06 TP-F11-8227-07	SB-F11-8227-01 SB-F11-8227-06 TP-F11-8227-07	A septic tank was discovered during sampling. One additional screening sample SB-F11-8227-06 and analytical sample were collected. Sampling location SB-F11-8227-01 was determined using professional judgement. Test Pit location was taken downgradient from the septic.	Metals, VOCs, SVOCs
F11-A2	Old Premix Scrap Shed	Shed demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-F11-A2-01 through SB-F11-A2-03	SB-F11-A2-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 300 ppm at SB-F11-A2-01	Metals
G10-1	Transportation Office	Small wooden and corrugated sheet metal construction over concrete block foundation; steam pipe enters W corner.No evidence of release.	SB-G10-1-01 through SB-G10-1-04	SB-G10-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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G10-16	Air Receiver Tank	Air receiver tank with piping to Bldg. 9106. 1' x 1' area of black staining at vent pipe below N side of tank.	SB-G10-16-01 through SB-G10-16-03	SB-G10-16-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 401 ppm at G10-16-02	Metals
G10-172A	Ammonia Liquor Storage	Building demolished, only concrete foundation remains; No evidence of release	SB-G10-172A-01 through SB-G10-172A-04	SB-G10-172A-01 SB-G10-172A-03	Sampling location SB-G10-172A-01 was determined using XRF screening; Results indicated a lead concentration of 2,126 ppm at SB-G10-172A-01; Group B E&E materials were detected at SB-G10-172A-03 using an Expray Test Kit; An additional analytical sample was collected at SB-G10-172A-03 and analyzed for E&E only. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
G10-18	Acid Pump Control Shed	Wooden shed on concrete foundation with controls for Bldg. 9106. No evidence of release	SB-G10-18-01 through SB-G10-18-04	SB-G10-18-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
G10-2	Former Water Tanks	Tanks removed, only foundation of larger tank remains. Most areas paved over. No evidence of release	SB-G10-2-01 through SB-G10-2-04	SB-G10-2-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 401 ppm at SB-G10-2-03	Metals
G10-2008	Unknown	Building demolished, only two 1' x 10' footers remain. Area covered by vegetation and gravel. No evidence of release	SB-G10-2008-01 through SB-G10-2008-03	SB-G10-2008-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	PCBs
G10-2009	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-2009-01 through SB-G10-2009-03	SB-G10-2009-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
G10-269	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-269-01 through SB-G10-269-03	SB-G10-269-03 SB-G10-269-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
G10-271	Unknown	Building demolished, only two 1' x 10' footers remain; Foundation currently obscured by Bldg. G10-9106 No evidence of release	SB-G10-271-01 through SB-G10-271-03	SB-G10-271-01 SB-G10-271-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 458 ppm at SB-G10-271-01 A confirmation sample was collected at SB-G10-271-02	Metals
G10-3	Boiler	Sheet metal enclosing dual boilers that are mounted on steel beams and supported on a concrete foundation. Large stack with duct work to two boilers. Minor amount of white powder present along S end of the western boiler.	SB-G10-3-01 through SB-G10-3-04	SB-G10-3-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 628 ppm at SB-G10-3-01	Metals
G10-4	Unknown Tank	Possible air receiver tank-water present in basin. Vent to concrete catch area at SE end, vent present along piping which leads away from tank to the E. 1' diameter piping leads from tank into powerhouse. No evidence of release.	SB-G10-4-01 through SB-G10-4-06	SB-G10-4-02 SB-G10-4-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 495 ppm at SB-G10-4-02 and 1,563 ppm at SB-G10-4-05	Metals, SVOCs
G10-5	A-Line Canteen	Wooden and aluminum siding construction over concrete foundation; lounge area only. No evidence of release	SB-G10-5-01 through SB-G10-5-04	SB-G10-5-02 SB-G10-5-03	Sampling location SB-G10-5-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G10-5-03	SVOCs

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G10-8106	Millwright Shop	Brick construction over concrete foundation with rail access into building-loading doors on E/W side. Coal pit present on S side. No evidence of release	SB-G10-8106-01 through SB-G10-8106-06	SB-G10-8106-01 SB-G10-8106-02	Sampling location SB-G10-8106-01 was determined using professional judgement Group B E&E materials were detected at SB-G10-8106-02 using an Expray Test Kit Analytical results did not detect elevated SVOC concentrations	SVOCs
G10-8106A	Millwright Storage Shed	Brick storage shed with wooden racks inside; No evidence of release	SB-G10-8106A-01 through SB-G10-8106A-04	SB-G10-8106A-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 716 ppm at SB-G10-8106A-04	Metals, SVOCs
G10-8106B	Millwright Storage Shed	Wooden storage shed with metal racks inside-temporary storage only. No evidence of release.	SB-G10-8106B-01 through SB-G10-8106B-04	SB-G10-8106B-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,006 ppm and a copper concentration of 754 ppm at SB-G10-8106B-04	Metals, SVOCs
G10-8106C	Cylinder Store House	Small concrete block building used to store oxygen and compressed gas. Empty canister storage on E side. No evidence of release	SB-G10-8106C-01 through SB-G10-8106C-04	SB-G10-8106C-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,493 ppm at SB-G10-8106C-04	Metals, SVOCs
G10-8108	Carpenter Shop (Tin Shop on NW end)	Brick bldg built over concrete foundation; cyclone on NE side adjacent to small sheet metal and wood contaminated waste shed; sump at W corner; small heater shed at S corner. No evidence of release	SB-G10-8108-01 through SB-G10-8108-10	SB-G10-8108-06 SB-G10-8108-07 SB-G10-8108-08	Sampling locations were determined using XRF screening Results indicated a lead concentration of 431 ppm at SB-G10-8108-06, 3,090 ppm at SB-G10-8108-07, and 684 ppm at SB-G10-8108-08	Metals, SVOCs, PCBs
G10-8114	Paint Shop	Corrugated sheet metal over concrete foundation; steam pipe enters E corner; painted signs on inside. No evidence of release.	SB-G10-8114-01 through SB-G10-8114-04	SB-G10-8114-03	Sampling location was determined using XRF screening Results indicated a copper concentration of 777 ppm at SB-G10-8114-03	Metals, SVOCs
G10-8159	Solvent Storage	Wooden bldg built on concrete foundation; catch tank on NW side; loading area on W corner. No evidence of release	SB-G10-8159-01 through SB-G10-8159-06	SB-G10-8159-03 SB-G10-8159-05 SB-G10-8159-06	Sampling locations SB-G10-8159-05/06 were determined using professional judgement; XRF screening results indicated a lead concentration of 722 ppm at SB-G10-8159-03	Metals
G10-8204	Change House	Old brick change house with addition built of wood; septic tank location potentially indicated by PVC pipes along SW wall. No evidence of release	SB-G10-8204-01 through SB-G10-8204-05 TP-G10-8204-06	SB-G10-8204-02 SB-G10-8204-05 TP-G10-8204-06	Sampling locations were determined using professional judgement screening results did not warrant biased sampling Test Pit located downgradient from septic tank	Metals, SVOCs
G10-8213	Supply Storage	Concrete block, wooden and corrugated sheet metal construction. Storage only with shelving present inside. No evidence of release.	SB-G10-8213-01 through SB-G10-8213-07	SB-G10-8213-07	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,955 ppm at SB-G10-8213-07	Metals
G10-8224	Laundry	Wooden construction over concrete block foundation; Sump present at SE corner, slag at S corner; No evidence of release	SB-G10-8224-01 through SB-G10-8224-04	SB-G10-8224-02 SB-G10-8224-03 SB-G10-8224-04 TP-G10-8224-05	Sampling locations were determined using professional judgement screening results did not warrant biased sampling. Test Pit placed downgradient from sump.	Metals, SVOCs
G10-8501	Powerhouse	Concrete foundation with brick walls; Ammonia receiver and condenser tanks just inside building; Attached air handler tank; No evidence of release	SB-G10-8501-01 through SB-G10-8501-07	SB-G10-8501-06	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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G10-8502	Boiler House	Large corrugated sheet metal/steel/wood construction on concrete foundation, with additional pad on N corner. Sump present on SE side, heat recovery system on E corner. Piping enters on N corner (Sump sampled as part of Single Phase Remediation effort). No evidence of release.	SB-G10-8502-01 through SB-G10-8502-07	SB-G10-8502-03 SB-G10-8502-07 TP-G10-8502-08 TP-G10-8502-09	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,066 ppm at SB-G10-8502-03 and an arsenic concentration of 963 ppm at SB-G10-8502-07. Test Pits placed downgradient from sump.	Metals
G10-8503	Ammonia Cooler Tank	4' x 12' tank posted as tested hydrostatically and covered by shed on a concrete footer, adjacent to Bldg. 8501. Outgoing brine line leads to west A-line area. No evidence of release.	SB-G10-8503-01 through SB-G10-8503-04	SB-G10-8503-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 555 ppm and a mercury concentration of 322 ppm at SB-G10-8503-03	Metals, SVOCs
G10-8522	Dual Substations	Two fenced areas holding transformers; No evidence of release	SB-G10-8522-01 through SB-G10-8522-02	SB-G10-8522-01 SB-G10-8522-02	Sampling locations were determined using professional judgement XRF results indicated a lead concentration of 954 ppm at SB-G10-8522-02	Metals
G10-8682	Oil Pump House	Corrugated sheet metal construction over concrete foundation. Minor oil staining on concrete foundation, sump on S side	SB-G10-8682-01 through SB-G10-8682-05	SB-G10-8682-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	PCBs
G10-9100	Service Shop	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G10-9100-01 through SB-G10-9100-03	SB-G10-9100-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 440 ppm at SB-G10-9100-01	Metals
G10-9106A	Unknown	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G10-9106A-01 through SB-G10-9106A-03	SB-G10-9106A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	PCBs
G10-9515	Car Barn	Brick walls, concrete foundation with corrugated sheet metal roof. Recently constructed wooden shed at SE corner. Internal floor drains evident, dark stained area (possibly oil) evident at NW corner	SB-G10-9515-01 through SB-G10-9515-13	SB-G10-9515-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 663 ppm at SB-G10-9515-02	Metals, SVOCs
G11-1	Former Plant Lab	Building demolished, minimal evidence of remains; Location determined from historical maps; No evidence of release	SB-G11-1-01 through SB-G11-1-03	SB-G11-1-01 SB-G11-1-02	Group B E&E materials were detected at SB-G11-1-01 using an Expray Test Kit A confirmation sample was collected at SB-G11-1-02 Analytical results did not detect elevated concentrations	VOCs
G11-2017A	Shell House	Building demolished, foundation removed, minor evidence of building debris present. Minor area of dark discolored slag macadam. No confirmed area of release.	SB-G11-2017A-01 through SB-G11-2017A-06	SB-G11-2017A-02 SB-G11-2017A-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
G11-2017B	Pilot Plant	Brick construction over concrete foundation with adjacent heater house, and multiple loading areas. Waste oil/acetone labeled drums present at W corner. Stressed vegetation from heater house pipe outlet	SB-G11-2017B-01 through SB-G11-2017B-07	SB-G11-2017B-01 SB-G11-2017B-07 SB-G11-2017B-08	Sampling location SB-G11-2017B-08 was collected at an area of stressed vegetation, no screening sample was collected there. Sampling location SB-G11-2017B-01 was determined using professional judgement. Sampling location SB-G11-2017B-07 was determined using XRF screening; Results indicated an arsenic concentration of 982 ppm at SB-G11-2017B-07	Metals, SVOCs
G11-2259	Dope House	Indicated as dope house storage, wooden and corrugated sheet metal construction over concrete foundation. No evidence of release.	SB-G11-2259-01 through SB-G11-2259-07	SB-G11-2259-01 SB-G11-2259-06	Sampling location SB-G11-2259-01 was determined using professional judgement; Sampling location SB-G11-2259-06 was determined using XRF screening; Results indicated an arsenic concentration of 222 ppm at SB-G11-2259-06	Metals, SVOCs

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G11-3	Drum Storage Building	Building demolished, concrete pad evident on NW, W and E sides. No evidence of release.	SB-G11-3-01 through SB-G11-3-05	SB-G11-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
G11-5	Unknown Storage Tank	Steel AST insulation wrapped and covered in sheet metal. 6" pipe leads to S corner, currently cut off, no indication of feeds. No evidence of release.	SB-G11-5-01 through SB-G11-5-03	SB-G11-5-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,485 ppm at SB-G11-5-02	Metals
G11-66	Drum Storage Building	Large concrete pad with imprints of rust from former drum storage. Adjacent dark stained soil area. Currently scrapped equipment storage area.	SB-G11-66-01 through SB-G11-66-06	SB-G11-66-03 SB-G11-66-05	Sampling location SB-G11-66-03 was determined using professional judgement; Sampling location SB-G11-66-05 was determined using XRF screening; Results indicated a copper concentration of 2,110 ppm at SB-G11-66-05	Metals, SVOCs
G11-8208	Shell House Warehouse	Building demolished, foundation and structure removed. Location determined from maps. No evidence of release.	SB-G11-8208-01 through SB-G11-8208-05	SB-G11-8208-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
G11-8212	HEOD Storage	Building demolished, foundation evidence also removed. Minor amounts of building debris present. Ends of building estimated. No evidence of release.	SB-G11-8212-01 through SB-G11-8212-05	SB-G11-8212-04	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 235 ppm at SB-G11-8212-04	Metals, SVOCs
G11-8257	Oil Storage Tanks	Tanks have been removed; Area currently filled with orange sand; No reduced vegetation as observed during the recon event; No evidence of release	SB-G11-8257-01 through SB-G11-8257-06	SB-G11-8257-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, PCBs, SVOCs
G11-9300/251	Records Keeping	Brick building used for storage only; Adjacent area of stressed soil; Septic associated with the building. No evidence of release	SB-G11-9300-01 through SB-G11-9300-05 TP-G11-9300A-01	SB-G11-9300-03 SB-G11-9300-05 TP-G11-9300A-01	Sampling locations were determined using XRF screening Results indicated a lead concentration of 482 ppm at SB-G11-9300-03 and 2,770 ppm at SB-G11-9300-05. Test Pit location down gradient from the septic tank.	Metals, SVOCs
G11-9304	Store House	Wooden and corrugated sheet metal construction over concrete foundation with loading dock on W side. Currently misc. storage with wood flour (triacetin) stored at W end. Septic associated with the building. No evidence of release.	SB-G11-9304-01 through SB-G11-9304-05 TP-G11-9304A-01	SB-G11-9304-02 SB-G11-9304-05 TP-G11-9304A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling Test Pit location downgradient from septic tank	Metals, SVOCs
G11-9305	Store House	Wooden and corrugated sheet metal construction with clay tiled walls on E and W sides and loading doors to adjacent buildings. No evidence of release.	SB-G11-9305-01 through SB-G11-9305-06	SB-G11-9305-02 SB-G11-9305-01	Sampling location SB-G11-9305-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G11-9305-01	Metals, SVOCs
G11-9309	Store House	Building demolished, only concrete pad remains. Loading area at N corner. No evidence of release.	SB-G11-9309-01 through SB-G11-9309-05	SB-G11-9309-01 SB-G11-9309-05	Sampling location SB-G11-9309-05 was determined using professional judgement; Sampling location SB-G11-9309-01 was determined using XRF screening; Results indicated an arsenic concentration of 341 ppm at SB-G11-9309-01	Metals, SVOCs
G11-B86	Chemical Ware Store	Building demolished, only old dilapidated concrete footers remain. No evidence of release (area=400 sq ft).	SB-G11-B86-01 through SB-G11-B86-04	SB-G11-B86-01 SB-G11-B86-03	Sampling location SB-G11-B86-01 was determined using professional judgement; Sampling location SB-G11-B86-03 was determined using XRF screening; Results indicated an arsenic concentration of 487 ppm at SB-G11-B86-03	Metals, SVOCs
G12-252	Sample Smokeless Powder Mag. #1	Remnant Building, location determined from historical maps	SB-G12-252-01 through SB-G12-252-03	SB-G12-252-03 SB-G12-252-02	Sampling location SB-G12-252-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-252-02	E&E

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G12-775	TNT Laundry	Remnant Building, location determined from historical maps	SB-G12-775-01 through SB-G12-775-03	SB-G12-775-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
G12-8109	Transportation Office	Building demolished, area currently largely vegetated. Location determined from maps. No evidence of release.	SB-G12-8109-01 through SB-G12-8109-03	SB-G12-8109-02 SB-G12-8109-01	Sampling location SB-G12-8109-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G12-8109-01	Metals, SVOCs
G9-15	Locomotive House	Bldg demolished- all evidence of locomotive house largely removed; machine oil between G10-4 and G10-37B; some dark colored soil present due to staining or organic activity-source unknown; No evidence of release	SB-G9-15-01 through SB-G9-15-03	SB-G9-15-01 SB-G9-15-02	Sampling location SB-G9-15-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-15-02	Metals
G9-2	Scrap Shed	Two story wooden shed built on concrete foundation, recently constructed; steel I-beam connects to rear of machine shop. white powdery material present at N corner.	SB-G9-2-01 through SB-G9-2-05	SB-G9-2-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 408 ppm and a copper concentration of 3,600 ppm at SB-G09-2-03	Metals, PCBs, SVOCs
G9-8107	Pipe/Scale Shop	Concrete block bldg with asphalt roof; two loading areas on NW side rail line along NW side; shop only. No evidence of release.	SB-G9-8107-01 through SB-G9-8107-06	SB-G9-8107-02 SB-G9-8107-05	Sampling locations were determined using XRF screening Results indicated a lead concentration of 548 ppm at SB-G09-8107-02 and 541 ppm at SB-G09-8107-05 and an arsenic concentration of 317 ppm at SB-G09-8107-02 and 279 ppm at SB-G09-8107 -05	Metals
G9-8182	Carpenter Shop	Small wooden carpenter shop with attached storage area; loading doors on SE/NW sides. No evidence of release	SB-G9-8182-01 through SB-G9-8182-06	SB-G9-8182-01 SB-G9-8182-05	Sampling location SB-G09-8182-05 was determined using professional judgement XRF screening results indicated a copper concentration of 2,180 ppm and a lead concentration of 675 ppm at SB-G09-8182-01	Metals, SVOCs
G9-8187	Unknown	Bldg demolished-evidence largely removed; area of reduced vegetation. No evidence of release	SB-G9-8187-01 through SB-G9-8187-05	SB-G9-8187-01 SB-G9-8187-02	Sampling location SB-G9-8187-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-G9-8187-02	SVOCs
G9-8207	Oil Storage Bldg	Concrete block with wooden front doors, corrugated sheet metal roof and concrete foundation; steam pipe enters front vent at rear with minor area of stressed vegetation from steam vent.	SB-G9-8207-01 through SB-G9-8207-05	SB-G9-8207-04 SB-G9-8207-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	VOCs, SVOCs
G9-8267	Lumber/Lead Storage	Wooden storage shed with multiple bays for storage and shed on NW side; lead not evident. No evidence of release.	SB-G9-8267-01 through SB-G9-8267-06	SB-G9-8267-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 884 ppm at SB-G09-8267-04	Metals, SVOCs
G9-9321	Spare Parts Store	Wooden and corrugated sheet metal construction over 1 'x 1' concrete footers; storage only. No evidence of release.	SB-G9-9321-01 through SB-G9-9321-08	SB-G9-9321-02 SB-G9-9321-08	Sampling location SB-G09-9321-08 was determined using professional judgement; XRF screening results indicated a lead concentration of 444 ppm at SB-G09-9321-02. Analytical results did not detect elevated metal concentrations.	SVOCs
H10-10	Unknown Foundation	Large concrete pad with screen burner H10-2260 and H10-1 constructed on top. Currently fiber insulation pile at S corner. Piles of molten lead present on foundation.	SB-H10-10-01 through SB-H10-10-08	SB-H10-10-02 SB-H10-10-06 SB-H10-10-07	Sampling locations SB-H10-10-06/07 were determined using professional judgement; Sampling location SB-H10-10-02 was determined using XRF screening; Results indicated a lead concentration of 496 ppm at SB-H10-10-02	Metals, SVOCs, E&E, PCBs

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H10-11	Acid Mix Equipment	Building demolished, concrete foundation evident but significantly dilapidated. No evidence of release	SB-H10-11-01 through SB-H10-11-05	SB-H10-11-05	Sampling location was determined using XRF screening Results indicated a lead concentration of 552 ppm at SB-H10-11-05	Metals, SVOCs
H10-12	S.A. Store Tank	Building demolished, only concrete in NE edge remains; No evidence of release	SB-H10-12-01 through SB-H10-12-03	SB-H10-12-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,588 ppm at SB-H10-12-01	Metals, SVOCs
H10-13	Bag Store	Building demolished, minor amounts of concrete and brick remain. Location determined from historical maps. No evidence of release, however adjacent area of SV present.	SB-H10-13-01 through SB-H10-13-03	TP-H10-13-01 TP-H10-13-03	This AOC was located under asphalt. Test Pits were dug to collect samples. Screening results did not warrant biased sampling.	Metals, SVOCs
H10-14	Unknown	Building demolished, remains of a concrete footer outline site. Adjacent area of stressed vegetation (slag present).	SB-H10-14-01 through SB-H10-14-05	SB-H10-14-01 SB-H10-14-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 6,300 ppm at SB-H10-14-01 and a concentration of 4,460 at SB-H10-14-02	Metals, SVOCs, E&E
H10-154B	Dry Bag Store	Building demolished, minimal evidence remains; Location determined from historical maps; No evidence of release	SB-H10-154B-01 through SB-H10-154B-03	SB-H10-154B-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs, PCBs
H10-16	Unknown Concrete Footer	Small rectangular concrete footer; 2' x 2' piece of lead present	SB-H10-16-01 through SB-H10-16-04	SB-H10-16-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 5,920 ppm at SB-H10-16-02	Metals, E&E, SVOCs
H10-17	Unknown	Small rectangular concrete footer; 2' x 2' piece of lead present	SB-H10-17-01 through SB-H10-17-03	SB-H10-17-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	PCBs
H10-2003	Spent Acid Tower	Building demolished, concrete foundation evident but significantly dilapidated. Location determined from foundation and maps. No evidence of release.	SB-H10-2003-01 through SB-H10-2003-05	SB-H10-2003-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 7,760 ppm at SB-H10-2003-01	Metals
H10-2092/ 2002	Spent Acid Recovery Tanks	Building demolished, evidence of foundations removed. Location determined from maps. No evidence of release.	SB-H10-2092-01 through SB-H10-2092-05	SB-H10-2092-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,087 ppm at SB-H10-2092-03	Metals
H10-262	Nitric Acid House	Remnant Building, location determined from historical maps	SB-H10-262-01 through SB-H10-262-03	SB-H10-262-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 549 ppm at SB-H10-262-02	Metals, PCBs, SVOCs
H10-267	Absorption Tower	Remnant Building, location determined from historical maps	SB-H10-267-01 through SB-H10-267-03	SB-H10-267-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,577 ppm at SB-H10-267-01	Metals
H10-269	Unknown	Building demolished, largely vegetated area. Location determined from maps. No evidence of release.	SB-H10-269-01 through SB-H10-269-03	SB-H10-269-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 241 ppm at SB-H10-269-03	Metals
H10-502	Nitric Acid Recovery Area	Remnant Building, location determined from historical maps	SB-H10-502-01 through SB-H10-502-03	SB-H10-502-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 603 ppm at SB-H10-502-01	Metals, SVOCs
H10-503	Sulfuric Acid Recovery	Remnant Building, location determined from historical maps	SB-H10-503-01 through SB-H10-503-03	SB-H10-503-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 2,762 ppm at SB-H10-503-02	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H10-68	Spent Acid Recovery	Building demolished, evidence of building largely removed. Location determined from maps. Area covered by boiler slag, area to the E of ceramic debris and slag.	SB-H10-68-01 through SB-H10-68-03	SB-H10-68-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 871 ppm at SB-H10-68-03	Metals, E&E, SVOCs
H10-8225	Unknown	Concrete pad evident at NW corner only, the rest is covered in gravel. Location confirmed from historical maps. No evidence of release.	SB-H10-8225-01 through SB-H10-8225-03	SB-H10-8225-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 459 ppm at SB-H10-8225-03	Metals
H10-8264	Old Soda House	Building demolished, minimal concrete and building debris present. Location determined from maps. No evidence of release.	SB-H10-8264-01 through SB-H10-8264-04	SB-H10-8264-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 420 ppm at SB-H10-8264-01	Metals
H10-9000	Unknown	Building demolished, only two 1' x 6' footers remain; No evidence of release	SB-H10-9000-01 through SB-H10-9000-03	SB-H10-9000-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 547 ppm at SB-H10-9000-01	Metals, SVOCs, E&E
H10-9001	Unknown	Building demolished, evidence of former concrete footer present. Location determined from maps. No evidence of release.	SB-H10-9001-01 through SB-H10-9001-03	SB-H10-9001-03	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 532 ppm at SB-H10-9001-03	Metals, SVOCs, E&E
H10-9002	Oil Storage	Storage area demolished, former storage tanks and support removed. Adjacent area contains tan-brown sandy soil fill evidence where cleanup occurred. No current evidence of release.	SB-H10-9002-01 through SB-H10-9002-05	SB-H10-9002-01 SB-H10-9002-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 888 ppm at SB-H10-9002-01 and a copper concentration of 1,305 ppm at SB-H10-9002-02	Metals, SVOCs, PCBs
H10-9103	Sulfuric Acid Store Tank	Concrete containment around steel tank (one tank removed). Floor drain in N corner, concrete gutter at SW side, brick basin at SW side. No evidence of release.	SB-H10-9103-01 through SB-H10-9103-06	SB-H10-9103-01 SB-H10-9103-03 SB-H10-9103-04	Sampling location SB-H10-9103-01 was determined using professional judgement; Sampling locations SB-H10-9103-03/04 were determined using XRF screening; Results indicated a lead concentration of 1,308 ppm at SB-H10-9103-03 and 605 ppm at SB-H10-9103-04	Metals, SVOCs, VOCs
H10-9104	Nitric Acid Store Tank	Concrete containment basin for fuel storage, tank has been removed, No. 2 fuel oil tank is currently stored in basin. No evidence of release.	SB-H10-9104-01 through SB-H10-9104-04	SB-H10-9104-02	Sampling location was determined using XRF screening Results indicated a lead concentration of 3,086 ppm at SB-H10-9104-02	Metals, SVOCs
H10-9308	Sodium Nitrate Store	Concrete block walls to 6' elevation, then steel and wood construction. Currently white material stored inside, possibly rock salt. No evidence of release.	SB-H10-9308-01 through SB-H10-9308-06	SB-H10-9308-02 SB-H10-9308-03	Sampling location SB-H10-9308-02 was determined using XRF screening; Results indicated a lead concentration of 555 ppm. A confirmation sample was colllected at SB-H10-9308-03	Metals, SVOCs, PCBs
H10-9320	Can Paint House	Large concrete pad with sheet metal building on SW third of pad. Currently used for equipment storage. No evidence of a release.	SB-H10-9320-01 through SB-H10-9320-04	SB-H10-9320-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 715 ppm at SB-H10-9320-03	Metals, SVOCs
H11-1	Former Burning Ground	Currently largely vegetated area with dark soil present towards E corner. No evidence of release (area=16,000 sq ft).			This AOC has been referred to the Remedial Investigation	E&E
H11-2319	Drum Storage Pad	Concrete pad with 8" high walls for containment. Posted as former storage of petroleum contaminated soil and waste oil. No evidence of release.	SB-H11-2319-01 through SB-H11-2319-05	SB-H11-2319-04 SB-H11-2319-02	Sampling location SB-H11-2319-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-2319-02	Metals

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H11-3	Mixed Acid Storage Tank	All tanks and equipment removed, footers show where tanks were. Location determined from maps. No evidence of release.	SB-H11-3-01 through SB-H11-3-06	SB-H11-3-02 SB-H11-3-03	Sampling location SB-H11-3-02 was determined using XRF screening Results indicated a lead concentration of 581 ppm. A confirmation sample was collected at SB-H11-3-03	Metals, SVOCs
H11-4	Acid Unloading Area Release	Area currently vegetated and gravel covered, adjacent to eyewash station. Connections and piping to 9106 present. No evidence of release.	SB-H11-4-01 through SB-H11-4-03	SB-H11-4-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 1,435 ppm at SB-H11-4-03	Metals, SVOCs, PCBs
H11-6	Unknown	Concrete pad partially covered by macadam-paved road to Bldg. 9336. No evidence of release.	SB-H11-6-01 through SB-H11-6-04	SB-H11-6-01	Sampling location was determined using XRF screening Results indicated an arsenic concentration of 256 ppm at SB-H11-6-01	Metals, SVOCs
H11-757	Unknown	Area largely vegetated, building destroyed, foundation not evident. Location determined from maps. No evidence of release.	SB-H11-9312-01 through SB-H11-9312-06	SB-H11-9312-02 SB-H11-9312-04	This AOC was sampled as part of H11-9312. NFA/FA justification and exceedances based on samples collected from H11-9312.	Metals, SVOCs
H11-761	Unknown	Building demolished, concrete debris present; Location determined from maps; No evidence of release	SB-H11-761-01 through SB-H11-761-04	SB-H11-761-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 814 ppm at SB-H11-761-03	Metals, SVOCs
H11-763	Unknown	Building demolished, minimal evidence of former building. Location determined from maps. No evidence of release.	SB-H11-763-01 through SB-H11-763-03	SB-H11-763-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 552 ppm at SB-H11-763-03 Analytical results did not detect elevated metal concentrations	SVOCs
H11-8	Unknown Tank	Dilapidated steel tank with significant rust present. Extends 3' above ground surface and to an unknown depth. Two reinforcing steel I-beams present inside. Slag present surrounding and on W side.	SB-H11-8-01 through SB-H11-8-02	SB-H11-8-01 SB-H11-8-02	Sampling location was determined using professional judgement XRF results indicated a lead concentration of 419 ppm at SB-H11-8-01 Professional judgement used in determining SB-H11-8-02.	Metals, SVOCs
H11-9	Cooling Reservoir	Concrete foundation remains; Largely vegetated, however concrete walls evident; No evidence of release	SB-H11-9-01 through SB-H11-9-04	SB-H11-9-02 SB-H11-9-04	Sampling location SB-H11-9-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H11-9-04	Metals
H11-9310	Shook Storage	Building demolished, area paved somewhat and gravel covered, also significant vegetation present. Location determined from maps. No evidence of release	SB-H11-9310-01 through SB-H11-9310-03	SB-H11-9310-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
H11-9312	Box Storage	Corrugated sheet metal/wooden storage building. Loading areas at NE and SE corners. No evidence of release.	SB-H11-9312-01 through SB-H11-9312-06	SB-H11-9312-02 SB-H11-9312-04	Sampling location SB-H11-9312-04 was determined using professional judgement; Sampling locations SB-H11-9312-02 was determined using XRF screening; Results indicated a lead concentration of 598 ppm at SB-H11-9312-02	Metals, SVOCs
H11-9313	Shook Storage	Corrugated sheet metal/wooden storage building on concrete pad. Loading areas at NW and SW corners. Adjacent debris area expected to be second building (rail line runs through debris area). No evidence of release.	SB-H11-9313-01 through SB-H11-9313-06	SB-H11-9313-02 SB-H11-9313-04	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
H11-9335	Warehouse	Corrugated sheet metal and wood structure built on concrete foundation. Heater pad on SW side. Stressed vegetation with iron staining present.	SB-H11-9335-01 through SB-H11-9335-07	SB-H11-9335-05 SB-H11-9335-06	Sampling locations were determined using XRF screening Results indicated a copper concentration of 1,012 ppm at SB-H11-9335-05 and an arsenic concentration of 287 ppm at SB-H11-9335-06	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
H11-9336	General Warehouse	Sheet metal construction with wooden walls on concrete footers. Heater unit on E side with steam pipe vent and a small area of stressed vegetation below. No evidence of release.	SB-H11-9336-01 through SB-H11-9336-07	SB-H11-9336-01 SB-H11-9336-02	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 278 ppm at SB-H11-9336-01 and 1,310 ppm at SB-H11-9336-02	Metals, SVOCs, PCBs
H12-2	Soda Dry House #6	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-2-01 through SB-H12-2-03	SB-H12-2-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H12-8563	Chlorinator House #2	Building demolished, area currently covered with gravel; Location determined from maps; No evidence of release	SB-H12-8563-01 through SB-H12-8563-03	SB-H12-8563-03 SB-H12-8563-01	Sampling location SB-H12-8563-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H12-8563-01	SVOCs
H13-408	Unknown	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H13-408-01 through SB-H13-408-03	SB-H13-408-02 SB-H13-408-03	Sampling location SB-H13-408-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H13-408-03	Metals, SVOCs
H13-9329	Pulp Dry House	Building demolished, no evidence of former building, foundation removed. Building debris present, end of rail evident. Location determined from maps. No evidence of release.	SB-H13-9329-01 through SB-H13-9329-03	SB-H13-9329-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
H8-585	Chemical Storage	Bldg demolished-concrete rubble present; No evidence of release	SB-H8-585-01 through SB-H8-585-03	SB-H8-585-01	Sampling location was determined using XRF screening Results indicated a lead concentration of 436 ppm at SB-H08-585-01	Metals
H8-69E	Ingredient Storage	Bldg demolished-evidence of former store house largely removed. No evidence of release.	SB-H8-69E-01 through SB-H8-69E-03	SB-H8-69E-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
H8-8262	Corporation Yard	Area cleared;discolored soil present in NE; No evidence of release	SB-H8-8262-01 through SB-H8-8262-03	SB-H8-8262-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
H8-9226	Break Room	Bldg demolished; area largely vegetated and grass covered; No evidence of release	SB-H8-9226-01 through SB-H8-9226-03	SB-H8-9226-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H9-10	Former Pond	Saturated area with tall grass, currently no stressed vegetation. Location determined from maps. No evidence of release (area=1,400 sq ft).	SB-H9-10-01 through SB-H9-10-05	SB-H9-10-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H9-2261	Unknown	Wooden construction over concrete foundation; AC unit on W corner; probably an office bldg.; No evidence of release	SB-H9-2261-01 through SB-H9-2261-04	SB-H9-2261-04	Sampling location was determined using XRF screening Results indicated a lead concentration of 433 ppm at SB-H09-2261-04	Metals, E&E
H9-8155	Engineering Office	Building demolished, area currently covered with vegetation. Location determined from maps. No evidence of release.	SB-H9-8155-01 through SB-H9-8155-03	SB-H9-8155-02 SB-H9-8155-01	Sampling location SB-H9-8155-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-H9-8155-01	SVOCs
H9-8238	Maintenance Office	Building demolished, area of reduced vegetation indicates location. Location determined from maps. Septic tank vent pipe apparent (one sludge sample taken during Single Phase Remediation effort). No evidence of release.	SB-H9-8238-01 through SB-H9-8238-03 TP-H9-8238-04	SB-H9-8238-01 SB-H9-8238-02 SB-H9-8238-03 TP-H9-8238-04	Sampling location was determined using professional judgement screening results did not warrant biased sampling	Metals

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I11-9117	Ammonia Storage Tanks	Tanks and cradles removed, area now covered with vegetation. Location determined from maps. No evidence of release.	SB-I11-9117-01 through SB-I11-9117-06	SB-I11-9117-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J11-B25	Unknown	Only aggregate remains at former location; Location determined from historical maps; No evidence of release	SB-J11-B25-01 through SB-J11-B25-03	SB-J11-B25-02 SB-J11-B25-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-B25-02. A confirmation sample was collected at SB-J11-B25-01. Analytical results did not detect elevated E&E concentrations.	SVOCs
I11-1	B-Line Canteen	Wood/vinyl construction; No indication of chemicals or potential release	SB-I11-1-01 through SB-I11-1-04	SB-I11-1-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-1-03	E&E, SVOCs
I11-7	Unknown Foundation	Dilapidated concrete footer; No evidence of a release	SB-I11-7-01 through SB-I11-7-03	SB-I11-7-03 SB-I11-7-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-7-03. A confirmation sample was collected at SB-I11-7-01. Analytical results did not detect elevated E&E concentrations.	SVOCs
I11-8260	Change House	Corrugated sheet metal construction ; No evidence of a release	SB-I11-8260-01 through SB-I11-8260-04	SB-I11-8260-02 SB-I11-8260-03	Sampling location SB-I11-8260-02 was determined using XRF screening; Results indicated a lead concentration of 406 ppm at SB-I11-8260-02; Group B E&E materials were also detected at SB-I11-8260-02. A confirmation sample was collected at SB-I11-8260-03.	Metals, SVOCs, E&E
I11-8504	B-Line Pump House	Wooden and corrugated sheet metal construction; Storage tank at SW corner, oil-water separator on W side; (Sampled during Single Phase Remediation); No evidence of a release	SB-I11-8504-01 through SB-I11-8504-06 TP-I11-8504-07	SB-I11-8504-03 SB-I11-8504-04 SB-I11-8504-06 TP-I11-8504-07	Sampling location SB-I11-8504-03 was determined using professional judgement; Sampling locations SB-I11-8504-04/06 were determined using an Expray Test Kit. Group B E&E materials were detected at SB-I11-8504-04/06. Test Pit location was placed downgradient from sump. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
I12-4	Foundation	Building demolished, large concrete foundations with protruding rebar, continuous footers below larger support foundations. Portions of former brick walls present. No evidence of a release	SB-I12-4-01 through SB-I12-4-05	SB-I12-4-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I12-4-01 Analytical results did not detect elevated E&E concentrations	Metals, SVOCs
I12-8101	Ammonia Oxidation	Building demolished, remains include concrete and rebar; foundation, parts of brick walls, and wood building; No evidence of a release	SB-I12-8101-01 through SB-I12-8101-05	SB-I12-8101-01 SB-I12-8101-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-I12-8101-01. A confirmation sample was collected at SB-I12-8101-02. Analytical results did not detect elevated E&E concentrations.	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J10-2187	Filament Winding Building	Only demolition rubble in soil indicates presence of former building. No evidence of a release.	SB-J10-2187-01 through SB-J10-2187-05	SB-J10-2187-05 SB-J10-2187-01	Sampling location SB-J10-2187-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J10-2187-01.	Metals
J10-5	B-Line Office	Brick building over concrete foundation. No evidence of a release. Occupies half of the foundation, equipment storage the other half.	SB-J10-5-01 through SB-J10-5-06	SB-J10-5-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 653 ppm at SB-J10-5-01	Metals, SVOCs
J10-8280	Unknown	Minor amounts of building rubble are only remaining evidence of a building. Location determined from historical maps. No evidence of a release.	SB-J10-8280-01 through SB-J10-8280-03	SB-J10-8280-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
J11-1	Spray Field B	Currently heavily vegetated, little trace of former sprayfield. Ditch dug from K11-2301 to water detention basin to prevent flow into building area 2300. No evidence of a release (area=26,000 sq ft).	SB-J11-1-01 through SB-J11-1-20	SB-J11-1-01 through SB-J11-1-20	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-1-01/02/07/14/17. Confirmation samples were taken at the remaining locations.	SVOCs, E&E
J11-10	Unknown	Concrete containment structure, trailer-mounted tank on pad. Drainage to PVC pipe outlet on E end. No evidence of a release.	SB-J11-10-01 through SB-J11-10-05	SB-J11-10-05	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-10-05	SVOCs, E&E
J11-2188	B-Line Mix House	Wooden construction over concrete foundation with multiple loading areas. Brick walls separate each mix house. Sumps and floor drains surround building. Potential former discharge to ground/sumps.	SB-J11-2188-01 through SB-J11-2188-08 TP-J11-2188-09 through TP-J11-2188-11	SB-J11-2188-03 SB-J11-2188-06 SB-J11-2188-08 TP-J11-2188-09 TP-J11-2188-10 TP-J11-2188-11	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2188-03/06/08 Test Pit locations were placed downgradient from sumps	Metals, E&E, SVOCs
J11-2296	Control Room	Building demolished, only concrete masonry unit foundation and ceramic steampipe vent catch remain. No evidence of release.	SB-J11-2296-01 through SB-J11-2296-05	SB-J11-2296-04 SB-J11-2296-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2296-04. A confirmation sample was collected at SB-J11-2296-02.	E&E, SVOCs
J11-2298	Extruder/Cutter	Wooden construction over concrete foundation. Concrete walls divide building into thirds.	SB-J11-2298-01 through SB-J11-2298-05	SB-J11-2298-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-2298-04	SVOCs, E&E

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J11-3	Former Tank	Two tank cradles where tanks formerly stood; No evidence of a release	SB-J11-3-01 through SB-J11-3-06	SB-J11-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	VOCs
J11-317	Powder Testing Grounds	Stressed soil area, pieces of lead present; Small amounts of vegetation returning (area=2,200 sq ft)	SB-J11-317-01 through SB-J11-317-08	SB-J11-317-01 SB-J11-317-03 SB-J11-317-05 SB-J11-317-06	Sampling location SB-J11-317-01 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-317-01 Sampling locations SB-J11-317-03/05/06 were determined using XRF screening; Results indicated a lead concentration of 811 ppm and a copper concentration of 1,400 ppm at SB-J11-317-03, a lead concentration of 780 ppm at SB-J11-317-05, and 427 ppm at SB-J11-317-06.Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs, E&E
J11-6	Storage Tank	Surrounded by concrete containment. Pipe feeds to B-Line Mix House. Posted as holding water, acetone, ethanol, NG, NC, and process water. No evidence of a release.	SB-J11-6-01 through SB-J11-6-04	SB-J11-6-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-6-03 Analytical results did not detect elevated E&E concentrations.	VOCs
J11-8265	Store House	Building demolished, footers and debris still present; Location determined from footers and maps; No evidence of a release	SB-J11-8265-01 through SB-J11-8265-05	SB-J11-8265-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8265-04	Metals, E&E
J11-8570	Wastewater Holding #1	2 sump pumps on concrete pad, sump piping leads away to WWTP. No evidence of a release.	SB-J11-8570-01 through SB-J11-8570-04 TP-J11-8570-05	SB-J11-8570-01 TP-J11-8570-05	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-J11-8570-02 Test Pit location was placed downgradient from sump	VOCs
J12-3	Unknown	Old stone wall with depression in front; Possible surface runoff from powder grinder; No evidence of a release (area=100 sq ft)	SB-J12-3-01 through SB-J12-3-03	SB-J12-3-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,605 ppm at SB-J12-3-02	Metals, E&E, SVOCs
K10-1	Concrete Pad	Concrete pad, possible heater or electrical pad for Pedry House. No evidence of a release.	SB-K10-1-01 through SB-K10-1-04	SB-K10-1-01 SB-K10-1-02	Sampling location SB-K10-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-1-02.	SVOCs
K10-2	Unknown Containment Area	Large concrete containment basin with high concrete walls; Large pipe outlet in SE corner; No evidence of a release	SB-K10-2-01 through SB-K10-2-05	SB-K10-2-02 SB-K10-2-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
K10-2090	Pedry House	Wooden construction over concrete foundation; Concrete culvert to adjacent control house; Two berms and multiple loading area present; Stressed vegetation at N corner	SB-K10-2090-01 through SB-K10-2090-08	SB-K10-2090-01 SB-K10-2090-04 SB-K10-2090-07 SB-K10-2090-08	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
K10-2197	Curing House	Corrugated steel vault with wooden front doors; Blower unit at rear enters vault at back; No evidence of a release	SB-K10-2197-01 through SB-K10-2197-06	SB-K10-2197-05 SB-K10-2197-04	Sampling location SB-K10-2197-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K10-2197-04.	Metals, SVOCs, E&E
K10-2197A	Curing House	Corrugated steel vault with concrete footer, wooden front facade soil overlain; Loading area in front; No evidence of a release	SB-K10-2197A-01 through SB-K10-2197A-05	SB-K10-2197A-01 SB-K10-2197A-05	Sampling location SB-K10-2197A-05 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K10-2197A-05; Sampling location SB-K10-2197A-01 was dertermined using professional judgement.	E&E, SVOCs
K10-2266	Control Room	Plaster over concrete masonry unit construction; Concrete culverts leads to Pedry House on SE side; No evidence of a release	SB-K10-2266-01 through SB-K10-2266-07	SB-K10-2266-04 SB-K10-2266-05	Sampling location SB-K10-2296-04 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K10-2266-04; Sampling location SB-K10-2266-05 was dertermined using professional judgement.	Metals, SVOCs, E&E
K10-3	Smokeless Powder Storage	Building demolished, only stone foundation remains; No evidence of a release (area=900 sq ft)	SB-K10-3-01 through SB-K10-3-04	SB-K10-3-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,203 ppm at SB-K10-3-02	Metals
K10-5	Stressed Vegetation	Aggregate and reddish stained soil (possibly iron staining); Shape follows surface drainage pattern, leading away from Pedry House (area=1,200 sq ft)	SB-K10-5-01 through SB-K10-5-04	SB-K10-5-02 SB-K10-5-04	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,310 ppm at SB-K10-5-02	Metals
K11-1 K11-2	Unknown Foundation	Concrete foundation and former building rubble present. Pipes present at W and S corner protruding from foundation corner. No evidence of a release.	SB-K11-1-01 through SB-K11-1-05	SB-K11-1-04 SB-K11-1-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
K11-2225B	Coating House Paraplex Tank	Paraplex tank mounted on concrete saddles wrapped in corrugated metal. Pump on S side and piping leading to Bldg. 2225, concrete pad on S side. No evidence of a release.	SB-K11-2225B-01 through SB-K11-2225B-04	SB-K11-2225B-02 SB-K11-2225B-04	Sampling location SB-K11-2225B-04 was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-2225B-04; Sampling location SB-K10-2225B-02 was dertermined using professional judgement.	SVOCs, E&E

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
K11-2264	Heater House	Metal siding over metal frame construction, concrete footer; Condenser on concrete pad to SE corner; No evidence of a release	SB-K11-2264-01 through SB-K11-2264-04	SB-K11-2264-04 SB-K11-2264-03	Sampling location SB-K11-2264-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-2264-03.	SVOCs
K11-2300	B-Line Press and Cut	Concrete Masonry Unit/corrugated sheet metal construction. Concrete walls in separate areas. Floor drains previously discharged to ground. Sump associated with the building	SB-K11-2300-01 through SB-K11-2300-06 TP-K11-2300-07	SB-K11-2300-01 SB-K11-2300-05 TP-K11-2300-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from sump	SVOCs, E&E
K11-2301	Heater House	Corrugated metal and wood construction. Duct feed to Bldg. 2300, feed from adjacent stream line into Bldg. 2301. No evidence of a release.	SB-K11-2301-01 through SB-K11-2301-04	SB-K11-2301-04 SB-K11-2301-02	Sampling location SB-K11-2301-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-2301-02.	SVOCs
K11-2302	Cut and Rest House	Wooden construction over concrete foundation. Indicated by Roux as previous wastewater release. Concrete wall on W side. No direct evidence of a release.	SB-K11-2302-01 through SB-K11-2302-05	SB-K11-2302-03 SB-K11-2302-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-2302-03/05	SVOCs, Metals, E&E
K11-3	Debris Area	No evidence of former debris, all has been removed; No evidence of a release	SB-K11-3-01 through SB-K11-3-03	SB-K11-3-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-K11-3-02	SVOCs, E&E
K11-598	Final Press and Grain #3	Remnant Building, location determined from historical ı	SB-K11-598-01 through SB-K11-598-03	SB-K11-598-03 SB-K11-598-02	Sampling location SB-K11-598-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-598-02.	SVOCs
K11-601	Cutting House #3	Remnant Building, location determined from historical ı	SB-K11-601-01 through SB-K11-601-03	SB-K11-601-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
K11-604	Press & Grain #4	Remnant Building, location determined from historical ı	SB-K11-604-01 through SB-K11-604-03	SB-K11-604-02 SB-K11-604-03	Sampling location SB-K11-604-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K11-604-03.	SVOCs, E&E
L10-2	Unknown Foundation	Building demolished, only concrete foundation remaining; Currently an overgrown area; No evidence of a release	SB-L10-2-01 through SB-L10-2-05	SB-L10-2-02 SB-L10-2-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-2-02. A confirmation sample was collected at SB-L10-2-01.	E&E, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L10-2088/2255/ 2256/2258	Former 4 Buildings	Area covered with piles of soil, building debris and pipes; Location determined from historical maps; Unable to determine if release present	SB-L10-2088-01 through SB-L10-2088-03	SB-L10-2088-02 SB-L10-2088-01	Sampling location SB-L10-2088-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-2088-01.	E&E, SVOCs
L10-2191	Cabinet Dryers 37,38,39	Only concrete footers and loading dock remain; 1" steel pipe at dock (NW side); Stressed vegetation present	SB-L10-2191-01 through SB-L10-2191-07	SB-L10-2191-02 SB-L10-2191-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
L10-2242	Dry House	Only concrete rubble and pad remaining as evidence of a building. No evidence of a release.	SB-L10-2242-01 through SB-L10-2242-04	SB-L10-2242-03 SB-L10-2242-02	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-2242-03. A confirmation sample was collected at SB-L10-2242-02. Analytical result did not detect elevated E&E concentrations.	SVOCs
L10-2316	Pump House	Building demolished. Location determined from historical maps and site features. No evidence of a release.	SB-L10-2316-01 through SB-L10-2316-03	SB-L10-2316-02	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 269 ppm at SB-L10-2316-02	Metals, SVOCs
L10-6	Waste Powder Storage	Building demolished, brick and concrete foundation remain. SE edge of foundation paved over. No evidence of a release.	SB-L10-6-01 through SB-L10-6-05	SB-L10-6-05 SB-L10-6-01	Sampling location SB-L10-6-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-6-01.	E&E
L10-725	Solvent Recovery and W. Dry House	Building demolished, macadam and vegetation currently cover area. Location determined from historical maps. No evidence of a release.	SB-L10-725-01 through SB-L10-725-03	SB-L10-725-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-725-01 Analytical result did not detect elevated E&E concentrations	SVOCs, E&E
L10-8210	Store House	Minor amounts of brick and concrete rubble only remaining evidence of a building. Location determined from historical maps. No evidence of a release.	SB-L10-8210-01 through SB-L10-8210-03	SB-L10-8210-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-8210-03	E&E, SVOCs
L10-8215	Outside Toilets	Building demolished, minimal evidence of buildings present; Location determined from historical maps; No evidence of a release	SB-L10-8215-01 through SB-L10-8215-03	SB-L10-8215-02 SB-L10-8215-01	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L10-8215-02. A confirmation sample was collected at SB-L10-8215-01. Analytical result did not detect elevated E&E concentrations	E&E, SVOCs
L10-B462	Steeping House #2	Only concrete rubble remaining as evidence of a building; Location determined from historical maps; No evidence of a release	SB-L10-B462-01 through SB-L10-B462-03	SB-L10-B462-03 SB-L10-B462-01	Sampling location SB-L10-B462-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-L10-B462-01.	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L11-1	Unknown Containment Basin	Two large circular concrete pads held within a larger basin; Adjacent to L11-2089; No evidence of a release	SB-L11-1-01 through SB-L11-1-04	SB-L11-1-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
L11-2	Tank Cradles	Concrete tank cradles large enough to hold 6' diameter tank; Covered in tar paper; No evidence of a release	SB-L11-2-01 through SB-L11-2-03	SB-L11-2-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
L11-2089	Glazing/Coating House	New wooden construction over concrete foundation; Catch tank on W corner; Sump associated with the building. No evidence of release.	SB-L11-2089-01 through SB-L11-2089-05 TP-L11-2089-06	SB-L11-2089-01 SB-L11-2089-05 TP-L11-2089-06	Sampling location SB-L11-2089-05 was determined using professional judgement; Sampling location SB-L11-2089-01 was determined using an Expray Test Kit. Group B E&E materials were detected. Test Pit location was placed downgradient from the sump.	SVOCs, E&E
L11-2091	Heater House	Concrete pad with steam pipes leading to L11-2089; Drain pipe on W corner; No evidence of release	SB-L11-2091-01 through SB-L11-2091-05	SB-L11-2091-02 SB-L11-2091-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs
L11-2225	Coating House	Wooden, sheet metal, and fiberglass construction over a concrete foundation. Connections to control house and paraplex tank. No evidence of a release.	SB-L11-2225-01 through SB-L11-2225-07	SB-L11-2225-02 SB-L11-2225-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-L11-2225-02/05	Metals, E&E
L11-2226	Control House	Concrete and wooden construction. Controls for coating barrel, screen, chem mix, rotoclone, paraplex pump, and fines collection. No evidence of a release.	SB-L11-2226-01 through SB-L11-2226-04	SB-L11-2226-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
L11-2303	Coating/Glazing Electrical Room	Wooden construction over concrete foundation and asphalt roof; Construction may not have been completed; No evidence of a release	SB-L11-2303-01 through SB-L11-2303-04	SB-L11-2303-03	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-L11-2303-03 Analytical result did not detect elevated E&E concentrations	SVOCs, E&E
L8-1	Store House	Structure removed, only loading area, stacked rail ties and mounded soil/aggregate cover remains. No evidence of a release.	SB-L8-1-01 through SB-L8-1-05	SB-L8-1-01 SB-L8-1-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
L9-1	Unknown	Possible AC or heater house for M09-2192; Only concrete pad remains; No evidence of a release (area=100 sq ft)	SB-L9-1-01 through SB-L9-1-03	SB-L9-1-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
L9-8210	Store House	Only brick and concrete rubble remain, building demolished; No evidence of a release	SB-L9-8210-01 through SB-L9-8210-05	SB-L9-8210-05	Sampling location was determined using XRF screening; Results indicated a lead concentration of 3,665 ppm at SB-L9-8210-05	SVOCs, Metals
M10-1	Unknown	Old building with cement footers, an old stack, a drum, and steel siding as debris.	SB-M10-1-01 through SB-M10-1-05	SB-M10-1-02 SB-M10-1-04	Sampling location SB-M10-1-02 was determined using professional judgement;Screening results did not warrant biased sampling. A confirmation sample was collected at SB-10-1-04.	Metals, E&E
M10-2262/ B41-6/ B41-7	Curing House/ B11-6/B41-7	Building demolished, area has been covered with aggregate; No evidence of a release	SB-M10-2262-01 through SB-M10-2262-05	SB-M10-2262-05 SB-M10-2262-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-M10-2262-05. A confirmation sample was collected at SB-M10-2262-04. Analytical results did not detect elevated E&E concentrations.	SVOCs
M10-2315	Vacuum House	Building has been removed, broken concrete foundations remain. No evidence of release (area=100 sq ft).	SB-M10-2315-01 through SB-M10-2315-04	SB-M10-2315-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,600 ppm at SB-M10-2315-02	Metals
M10-6	Unknown	Building demolished, only concrete footer and surrounding; berm indicate building location; Empty drum and bucket present; No evidence of a release	SB-M10-6-01 through SB-M10-6-05	SB-M10-6-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
M10-7	B-Line Halfway Dock	Wooden construction with no walls (only roof and floor); No evidence of a release	SB-M10-7-01 through SB-M10-7-04	SB-M10-7-02 SB-M10-7-03	Sampling location SB-M10-7-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-7-03.	E&E
M10-724	Solvent Recovery and W. Dry House	Indication of former building removed; Location determined from historic maps; No evidence of release, however stained soil M10-4 is adjacent	SB-M10-724-01 through SB-M10-724-03	SB-M10-724-01 SB-M10-724-03	Sampling location SB-M10-724-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M10-724-03.	SVOCs, E&E
M11-3	Unknown	Building demolished, four wooden posts at corners debris on E side. No evidence of a release (area=500 sq ft).	SB-M11-3-01 through SB-M11-3-04	SB-M11-3-02 SB-M11-3-03	Sampling location SB-M11-3-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M11-3-03.	Metals, SVOCs

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M8-2	Unknown	Cement foundation with four concrete footers and leftover bricks; Building probably associated with adjacent cabinet dryer. No evidence of a release.	SB-M8-2-01 through SB-M8-2-05	SB-M8-2-05	Sampling location was determined using XRF screening; Results indicated a lead concentration of 431 ppm at SB-M8-2-05	Metals, SVOCs
M8-2196	Cabinet Dryers	Complex building that housed three cabinet dryers. Three loading areas to the S. Two stressed vegetation areas to the N. Foundations and loading area are intact and all that remain.	SB-M8-2196-01 through SB-M8-2196-08	SB-M8-2196-03 SB-M8-2196-07 SB-M8-2196-08	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E
M9-2191	Former Rocket House	Building has been completely removed. Only a cut out portion of slope and a steam pipe junction remain. Minor debris remains. No evidence of a release.	SB-M9-2191-01 through SB-M9-2191-05	SB-M9-2191-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
M9-2192	Cabinet Dryers 40,41,42	Loading dock and concrete footers remain. Line of steel supports lead to dock from near concrete footers. Stressed vegetation on N corner leading away from footers.	SB-M9-2192-01 through SB-M9-2192-06	SB-M9-2192-03 SB-M9-2192-05 SB-M9-2192-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E
M9-2193	Cabinet Dryers 43,44,45	Loading dock and concrete footers remain; Loading areas on SW loading dock; Stressed vegetation on N corner	SB-M9-2193-01 through SB-M9-2193-06	SB-M9-2193-01 SB-M9-2193-05 SB-M9-2193-06	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E
M9-2251	Solvent Prep House	Only one footer remains with no other evidence of a building; No evidence of a release (area=500 sq ft)	SB-M9-2251-01 through SB-M9-2251-04	SB-M9-2251-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
M9-2254	A.C. House	Only concrete pad remains on the NE side of M09-2193; No evidence of a release (area=100 sq ft)	SB-M9-2254-01 through SB-M9-2254-03	SB-M9-2254-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
M9-2261	Catch Tank House	Building has been removed, only flat area with some reinforcing rod and electrical conduit remain. No evidence of a release.	SB-M9-2261-01 through SB-M9-2261-04	SB-M9-2261-01 SB-M9-2261-02	Sampling location SB-M9-2261-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-M9-2261-02.	SVOCs
M9-3	Unknown	Building demolished, concrete footer with rebar protruding; No evidence of a release (area=100 sq ft)	SB-M9-3-01 through SB-M9-3-03	SB-M9-3-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

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N8-2304	Utility House	Old steel sided building with stained soil at the W corner. Multiple electrical conduit lines, a steam line, steam sump, and instrument control panel.	SB-N8-2304-01 through SB-N8-2304-05	SB-N8-2304-01 SB-N8-2304-05	Sampling locations were determined using an Expray Test Kit. Group B E&E materials were detected at SB-N8-2305-01/05 Analytical results did not detect elevated E&E concentrations.	SVOCs
N9-2195	Former Rocket House	Only cut-out of the berm, an air compressor, and old pipe remain. Possibility of some stained soil near pipe. Insulation and sand also present on ground.	SB-N9-2195-01 through SB-N9-2195-06	SB-N9-2195-02 SB-N9-2195-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
N9-2260	Unknown		SB-N9-2260-01 through SB-N9-2260-03	SB-N9-2260-01	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs
N9-2267	Glaze/Screen House	Two story steel sided building with a great deal of electrical conduit. Three loading docks and an wood supported earthen berm in W corner. No evidence of a release.	SB-N9-2267-01 through SB-N9-2267-05	SB-N9-2267-03 SB-N9-2267-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
N9-2269	Control House	Small concrete foundation with steel siding; No evidence of a release	SB-N9-2269-01 through SB-N9-2269-04	SB-N9-2269-04	Sampling location was determined using an Expray Test Kit. Group B E&E materials were detected at SB-N9-2269-04	SVOCs
O8-2274/ 2270/2273	X-Ray House	Earthen covered structure houses three buildings. Asbestos covered steam pipe on S side, small pad on N corner. No evidence of a release.	SB-O8-2274-01 through SB-O8-2274-04	SB-O8-2274-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
E10-2101/ 2102/2103	Premix House # 2	Wooden and concrete block foundation; alcohol feed (2101); Floor drains to Catch Tank House (2289)	SB-E10-2101-01 through SB-E10-2101-12	SB-E10-2101-05 SB-E10-2101-12	Group B E&E materials were detected at SB-E10-2101-05 and SB-E10-2101-12 using an Expray Test Kit	SVOCs, E&E
E10-615	Unknown	Bldg demolished-only portions of former foundation remains; No evidence of release (area=400 sq ft)	SB-E10-615-01 through SB-E10-615-04	SB-E10-615-04	Group B E&E materials were detected at SB-E10-615-04 using an Expray Test Kit	SVOCs, E&E
E9-1	Store House	Wooden construction over concrete block; seven loading; doors on SE and NW sides; stressed vegetation leads to culvert on SE side of bldg.			This AOC has been referred to the Remedial Investigation due to the presence of energetics	E&E
E9-2	Unknown Containment Pad	Concrete pad with 4' high containment around perimeter; Stainless steel piping to SE; No evidence of release	SB-E9-2-01 through SB-E9-2-04	SB-E9-2-03 SB-E9-2-01	Group B E&E materials were detected at SB-E9-2-03 using an Expray Test Kit. A confirmation sample was collected at SB-E9-2-01	E&E
E9-2119	Dry House	Wooden construction over concrete foundation; rail line; loading area on NW side; two steam pipe outlets on SE side; No evidence of release			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground	E&E
E9-2153	Unknown Name	Corrugated metal over wooden structure built on concrete; foundation; conduit leads to 2119; electrical controls present; inside; possible second control house adjacent to F8-6; No evidence of release	SB-E9-2153-01 through SB-E9-2153-04	SB-E9-2153-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
E9-2161	Poach House	Bldg demolished-concrete footers remain; No evidence of release	SB-E9-2161-01 through SB-E9-2161-05	SB-E9-2161-04	Group B E&E materials were detected at SB-E9-2161-04 using an Expray Test Kit	SVOCs, E&E
E9-2296	Slurry Coat House	Wooden and fiberglass construction over concrete foundation Octagonal tank support at N corner; sump at W corner; multiple loading areas; Sump associated with the building. No evidence of release	SB-E9-2296-01 through SB-E9-2296-08 TP-E9-2296-09	SB-E9-2296-04 SB-E9-2296-05 SB-E9-2296-06 SB-E9-2296-07 TP-E9-2296-09	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling Test Pit location placed downgradient from the sump	E&E
E9-2297	Unknown		SB-E9-2297-01 through SB-E9-2297-04	SB-E9-2297-02	Group B E&E materials were detected at SB-E9-2297-02 using an Expray Test Kit	Metals, E&E
E9-2337	100-ft Dryer	Wood construction over concrete block; steam process water line leads to SE. No evidence of a release.			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground	E&E
E9-558B	Dehydrator Press	Bldg demolished-minor amounts of concrete and rubble present outline of foundation evident. No evidence of a release (area=100 sq ft).	SB-E9-558B-01 through SB-E9-558B-03	SB-E9-558B-03	Group B E&E materials were detected at SB-E9-558B-03 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals

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E9-562	AL Mixing House	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-E9-562-01 through SB-E9-562-03	SB-E9-562-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
E9-610	Unknown	Bldg demolished-only concrete foundation and footers remain; No evidence of release	SB-E9-610-01 through SB-E9-610-05	SB-E9-610-04	Group B E&E materials were detected at SB-E9-610-04 using an Expray Test Kit	SVOCs, E&E
F10-11	Molten Lead in Soil	Small piles of molten lead in soil (area=100 sq ft)	SB-F10-11-01 through SB-F10-11-02	SB-F10-11-01	Group B E&E materials were detected at SB-F10-11-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals
F10-2094	NC Weigh House	Wooden construction over concrete foundation-loading area on SE side; new floor drain on NW side routed to adjacent culvert to WWTP. No evidence of release.			This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground	E&E
F10-2096	Cotton Dehy Press	Foundation; floor drains drain to NE corner; pit A10-PVC pipe drain enters ground at NE corner; brick separation wall in center; tank cradles on NW side (storage tank removed). No evidence of release.	SB-F10-2096-01 through SB-F10-2096-08	SB-F10-2096-06 SB-F10-2096-07 SB-F10-2096-08	Group B E&E materials were detected at SB-F10-2096-06/07/08 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs, E&E
F10-2145	Heater House	Wooden construction over concrete foundation; 1' x 2' duct to 2094. No evidence of release.	SB-F10-2145-01 through SB-F10-2145-04	SB-F10-2145-01 SB-F10-2145-04	Sampling location SB-F10-2145-04 was determined using XRF screening; Results indicated a lead concentration of 416 ppm at SB-F10-2145-04 Group B E&E materials were detected at SB-F10-2145-01 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	SVOCs, E&E
F10-2222	Alcohol Still House	Five story still house-wood and corrugated sheet metal over concrete foundation; weak and strong alcohol feed lines enter rear of bldg catch tank at S corner; No evidence of release	SB-F10-2222-01 through SB-F10-2222-04	SB-F10-2222-01 SB-F10-2222-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	VOCs
F10-2323	Heater House	Wooden construction; steam pipe vents on S side to 7" diameter area of stressed vegetation; concrete foundation.	SB-F10-2323-01 through SB-F10-2323-05	SB-F10-2323-02 SB-F10-2323-05	Sampling location SB-F10-2323-05 determined using professional judgement; Group B E&E materials were detected at SB-F10-2323-02 using and Expray Test Kit	Metals, E&E
F10-3	Tank Cradles	Concrete tank cradles-60% on S side mounted on concrete pad; 40% on N end not mounted on concrete pad; 6" pipe with valve at end extends out of ground; concrete catch pit also present; No evidence of release	SB-F10-3-01 through SB-F10-3-07	SB-F10-3-01 SB-F10-3-07	Sampling location SB-F10-3-01 was determined using professional judgement; Sampling location SB-F10-3-07 was determined using E&E screening; Group B E&E materials were detected at SB-F10-3-07	SVOCs, E&E
F10-460	Unknown	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-F10-460-01 through SB-F10-460-03	SB-F10-460-01	Sampling location SB-F10-460-01 was determined using XRF screening; Results indicated an lead concentration of1,690 ppm at SB-F10-460-01	Metals
F10-7	Stressed Vegetation	Gray-brown discolored soil between cotton weigh house and 9116 tank storage area; very soft consistency; adjacent wet area (area=100 sq ft)	SB-F10-7-01 through SB-F10-7-03	SB-F10-7-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

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F10-8237	Process Control Center	Wooden and corrugated sheet metal construction-office bldg, computers present; storage shed off N corner with tank cradles present-tank removed. Septic tank associated with the building. No evidence of release.	SB-F10-8237-01 through SB-F10-8237-07 TP-F10-8237A-01	SB-F10-8237-04 SB-F10-8237-05 TP-F10-8237A-01	Group B E&E materials were detected at SB-F10-8237-04/05 using an Expray Test Kit Test Pit location downgradient from septic	E&E
F10-PA8	Waste Water Pit	Collection sump with associated float switches, pumps, and piping steel tank cast in concrete; wastewater odor; piping enters from tank storage area and powerhouse area; No evidence of release	SB-F10-PA8-01	SB-F10-PA8-01	Test Pit location placed between F10-PA8 and F10-PA9. Labeled F10-PA8	E&E SVOCs
F11-2016	Can Pack House	Sections of different construction- brick, wood, wood covered with corrugated sheet metal; loading area on SW side; heater unit and AC unit on NW side; no piping evident; No evidence of release	SB-F11-2016-01 through SB-F11-2016-08	SB-F11-2016-01 SB-F11-2016-06 SB-F11-2016-07	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
F8-2107	Finishing Press (5-House Area)	Wooden and corrugated sheet metal construction with concrete foundation and interior concrete wall partitions; floor drain runs along NW side; uncovered heater equipment on NW side; loading area on SE side; No evidence of release	SB-F8-2107-01 through SB-F8-2107-05	SB-F8-2107-01 SB-F8-2107-02 SB-F8-2107-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
F8-2116	Dry House	Wooden construction with sheet metal lined doors and walls; Rail loading area on W side; concrete foundation; No evidence of release	SB-F8-2116-01 through SB-F8-2116-10	SB-F8-2116-03 SB-F8-2116-07 SB-F8-2116-09 SB-F8-2116-10	Sampling locations SB-F8-2116-09/10 were determined using XRF screening; Results indicated a copper concentration of 842 ppm at SB-F8-2116-09 and a lead concentration of 543 ppm at SB-F8-2116-10. Group B E&E materials were detected at SB-F8-2116-03/07 using an Expray Test Kit	Metals, E&E, SVOCs
F8-2117	Dry House	Bldg demolished-concrete rubble, charred timbers, beams, and metal debris remains; layer of green anti-static material evident beneath former floor; appears explosion occurred here; No evidence of release, but debris very scattered	SB-F8-2117-01 through SB-F8-2117-10	SB-F8-2117-07 SB-F8-2117-08	Sampling location SB-F8-2117-07 was determined using XRF screening; Results indicated an arsenic concentration of 153 ppm at SB-F8-2117-07 Group B E&E materials were detected at SB-F8-2117-08 using an Expray Test Kit	Metals, E&E
F8-2118	Dry House	Wood and corrugated metal over concrete foundation; concrete with wooden rail loading area on NW side; additional loading area to SE side; floor drains lead to catch tank through concrete gutter; catch tank at W corner (Catch tank sampled and removed during Single Phase Remediation effort). No evidence of release.	SB-F8-2118-01 through SB-F8-2118-10	SB-F8-2118-02 SB-F8-2118-10	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
F8-2144	Heater Pad	Concrete pad with heater equipment and appurtenances; no housing for equipment; drainage leads to adjacent culvert; stressed vegetation along drainage path to culvert	SB-F8-2144-01 through SB-F8-2144-06	SB-F8-2144-03 SB-F8-2144-04 SB-F8-2144-06	Sampling locations SB-F8-2144-03/06 were determined using XRF screening; Results indicated a lead concentration of 421 ppm at SB-F8-2144-03 and 1,732 at SB-F8-2144-06. Group B E&E materials were detected at SB-F8-2144-04 using an Expray Test Kit	Metals, E&E
F8-2150	Heater House	Wooden construction with corrugated sheet metal over concrete foundation; stressed vegetation leads from steam pipes which protrude from S corner-area extends past RR line on SE side of G8-2116	SB-F8-2150-01 through SB-F8-2150-05	SB-F8-2150-02 SB-F8-2150-05	Sampling location SB-F8-2150-02 was determined using professional judgement; Sampling location SB-F8-2150-05 was determined using XRF screening; Results indicated a lead concentration of 719 ppm at SB-F8-2150-05	Metals

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F8-2152	Control/Heater House	Small control house next to heater mounted on steel I-beam; No evidence of release	SB-F8-2152-01 through SB-F8-2152-04	SB-F8-2152-02	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 4,600 ppm at SB-F8-2152-02. Analytical results did not detect elevated metal concentrations.	SVOCs
F8-2207	Press/Cut House	Corrugated metal house overlain by soil; acetone/alcohol feedlines from G8-3; floor drains lead to 8562A; large berm to W. No evidence of a release.	SB-F8-2207-01 through SB-F8-2207-04	SB-F8-2207-01 SB-F8-2207-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
F8-563D	Change House	Dilapidated old concrete foundation; rest of former bldg demolished. No evidence of release.	SB-F8-563D-01 through SB-F8-563D-05	SB-F8-563D-02	Sampling location SB-F8-563D-02 was determined using XRF screening; Results indicated a copper concentration of 1,370 ppm at SB-F8-563D-02. Analytical results did not detect elevated metal concentrations.	SVOCs
F8-573	Chemical Store House	Bldg demolished-minimal evidence of former store house; No evidence of release (area=100 sq ft)	SB-F8-573-01 through SB-F8-573-03	SB-F8-573-02	Group B E&E materials were detected at SB-F8-573-02 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	SVOCs
F8-575	Grinder House	Bldg demolished-concrete pad and bldg debris remain; No evidence of a release	SB-F8-575-01 through SB-F8-575-04	SB-F8-575-02 SB-F8-575-04	Sampling location SB-F8-575-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F8-575-04	SVOCs, E&E
F8-9	Diphenylamine Mix House	Bldg demolished-only concrete rubble remains; No evidence of release (area=100 sq ft)	SB-F8-9-01 through SB-F8-9-03	SB-F8-9-02	Sampling location SB-F8-9-02 was determined using XRF screening; Results indicated an arsenic concentration of 148 ppm at SB-F8-9-02	Metals, E&E
F9-1	Former Solvent Recovery House	Bldg demolished, area largely vegetated, minimal evidence of extent of recovery house; minor amounts of bldg debris present; No evidence of release	SB-F9-1-01 through SB-F9-1-05	SB-F9-1-04 SB-F9-1-01	Group B E&E materials were detected at SB-F9-1-04 using an Expray Test Kit. A confirmation sample was collected at SB-F9-1-01	SVOCs, E&E
F9-16	Unknown Foundation	Large concrete pad foundation-former bldg demolished 12 ' pipe enters the ground along SE side; currently G9-6 built on former bldg pad, a control house for F9-2109; No evidence of release	SB-F9-16-01 through SB-F9-16-05	SB-F9-16-04 SB-F9-16-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
F9-2105	Final Mix House	Wooden construction with concrete separation walls; floor drains to NW side; alcohol and acetone feed lines along the NW side-feed from the S corner extend to SW; electrical control room on W side. Sump associated with the building. No evidence of release.	SB-F9-2105-01 through SB-F9-2105-06 TP-F9-2105-07	SB-F9-2105-01 SB-F9-2105-05 TP-F9-2105-07	Group B E&E materials were detected at SB-F9-2105-01 using an Expray Test Kit. XRF screening results indicated a copper concentration of 621 ppm at SB-F9-2105-05. Test Pit location downgradient from sump.	SVOCs, E&E, Metals
F9-2105A	Control Room	Steel encased concrete circular control room; electrical controls inside; cutter, wiring, camera, lights, control switches evident No evidence of release.	SB-F9-2105A-01 through SB-F9-2105A-04	SB-F9-2105A-01 SB-F9-2105A-04	Sampling location SB-F9-2105A-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F9-2105A-04	E&E, SVOCs
F9-2105B	Unknown Foundation	Large concrete pad foundation-former bldg demolished. Similar footprint to adjacent 2105; green anti-static material present. No evidence of release.	SB-F9-2105B-01 through SB-F9-2105B-05	SB-F9-2105B-01	Sampling location SB-F8-2105B-01 was determined using XRF screening; Results indicated an copper concentration of1,590 ppm at SB-F8-2105B-01	Metals, E&E

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F9-2106	Block Press House	Concrete block and corrugated sheet metal and fiberglass construction; heater equipment and "pit" on N corner-posted as "Confined space"; steps lead into dark basement area; Thick-walled control structure on S corner directed to central press area; walkways adjacent	SB-F9-2106-01 through SB-F9-2106-04	SB-F9-2106-04	Group B E&E materials were detected at SB-F9-2106-04 using an Expray Test Kit	SVOCs, E&E
F9-2109	Press House (7 House)	Wooden and corrugated sheet metal construction with concrete separation walls and concrete foundation; floor drains on SE side leads to sump; press bays on NW side; boarding and cutting bays on SE side; floor drains dilapidated-potential release	SB-F9-2109-01 through SB-F9-2109-08 TP-F9-2109-09	SB-F9-2109-01 SB-F9-2109-05 SB-F9-2109-08 TP-F9-2109-09	Group B E&E materials were detected at SB-F9-2109-01/05/08 using an Expray Test Kit Test Pit location placed downgradient from sump	SVOCs, E&E
F9-2109C	DIGL-RIP Block Conditioning Bldg	Sheet metal construction over concrete pad foundation-recent construction; large oven inside-listed as DIGL-RIP flammable; Listed for following: diethylene glycol, dinitrate NC, ethyl alcohol, acetone; stressed vegetation near W corner	SB-F9-2109C-01 through SB-F9-2109C-05	SB-F9-2109C-01 SB-F9-2109C-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
F9-2109A	Control House	Wooden construction over former concrete foundation; conduit leads to F9-2109; conveyor belt controls indicated on interior wall. No evidence of release.	SB-F9-16-01 through SB-F9-16-05	SB-F9-16-04 SB-F9-16-05	This AOC is located on the foundation of F9-16, and was sampled as part of F9-16	SVOCs, E&E
F9-2109D	Heater House	Wooden framed and sided heater house on concrete foundation; Steam pipe vents at W corner; Bottle storage area along SE side. No evidence of release.	SB-F9-2109D-01 through SB-F9-2109D-05	SB-F9-2109D-02 SB-F9-2109D-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
F9-2251/ 2254	Control House	Corrugated steel bldg-conduit leads to SW end of 2107; Concrete foundation. No evidence of release.	SB-F9-2251-01 through SB-F9-2251-04	SB-F9-2251-03 SB-F9-2251-01	Sampling location SB-F9-2251-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-F9-2251-01	SVOCs
F9-5	Unknown	Bldg demolished; area clear of vegetation; ground stake present; wood, brick bldg debris present No evidence of release (area=100 sq ft)	SB-F9-5-01 through SB-F9-5-03	SB-F9-5-03	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-F09-5-03 using an Expray Test Kit	E&E, SVOCs
F9-563	Pre-Mix Store House	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=100 sq ft)	SB-F9-563-01 through SB-F9-563-03	SB-F9-563-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
F9-611	Pump House	Bldg demolished-minimal evidence of former pump house; No evidence of release (area=100 sq ft)	SB-F9-611-01 through SB-F9-611-03	SB-F9-611-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
F9-8	Unknown Trailer Loading Pad	Trailer loading/unloading area; recently poured concrete foundation with PVC draining pipe on NW side; No evidence of release	SB-F9-8-01 through SB-F9-8-05	SB-F9-8-02 SB-F9-8-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
F9-8188	Unknown Shed	Bldg demolished; area of gravel and no vegetation indicates location of former shed; vegetation returning No evidence of release (area=100 sq ft)	SB-F9-8188-01 through SB-F9-8188-03	SB-F9-8188-01	Sampling location was determined using E&E screening Group B E&E materials were detected at SB-F09-8188-01 using an Expray Test Kit	E&E

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F9-9	Unknown Containment Basin	Concrete containment basin-recently constructed; probably tank storage area; drainage pipe on N corner. No evidence of release.	SB-F9-9-01 through SB-F9-9-05	SB-F9-9-01 SB-F9-9-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs, E&E
F9-A4	Dehydration Scrap Shed	Bldg demolished-minimal evidence of former shed; No evidence of release (area=100 sq ft)	SB-F9-A4-01 through SB-F9-A4-03	SB-F0-A4-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
F9-A5	Unknown Shed	Corrugated sheet metal over wooden frame construction, storage only; two 4' x 6' sheds; No evidence of release	SB-F9-A5-01 through SB-F9-A5-04	SB-F9-A5-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
F9-A6	Block Press House Scrap Shed	Bldg demolished; area of brown colored grass; No evidence of release (area=100 sq ft)	SB-F9-A6-01 through SB-F9-A6-03	SB-F9-A6-01	Group B E&E materials were detected at SB-F9-A6-01 using an Expray Test Kit	E&E, SVOCs
F9-C1	Press House Scrap Shed	Wooden construction over wooden foundation-temporary storage only- storage of "6 blocks/ 6 tubs". No evidence of release.	SB-F9-C1-01 through SB-F9-C1-04	SB-F9-C1-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
F9-PA4	Waste Water Pit	Two pipes enter from NW side, one from SW side; No evidence of release	TP-F9-PA4-01	TP-F9-PA4-01	Test Pit location was placed downgradient from the Pit.	E&E
F9-PA6	Collection Pit	Concrete-encased steel-lined WW sump; multiple pipes enter N side; one drainage pipe exists on S side; screen present; No evidence of release	TP-F9-PA6-01	TP-F9-PA6-01	Test Pit location was placed downgradient from the Pit.	E&E
G7-1	Unknown Concrete Pads		SB-G7-1-01 through SB-G7-1-05	SB-G7-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
G7-2115	Dry House	Wooden construction with sheet metal-lined walls and doors; Rail loading area on W side; stressed vegetation on W side-slag and green anti-static bldg material present; concrete foundation	SB-G7-2115-01 through SB-G7-2115-08	SB-G7-2115-04 SB-G7-2115-06 SB-G7-2115-07	Sampling location SB-G07-2115-06 was determined using professional judgement; Sampling locations SB-G07-2115-04/07 were determined using XRF screening; Results indicated a lead concentration of 803 ppm at SB-G07-2115-04; and a copper concentration of 619 ppm and an arsenic concentration of 321 ppm at SB-G07-2115-07	Metals, E&E, SVOCs
G7-2149	Heater House	Wooden bldg on concrete foundation; area of slag possibly stressed vegetation on E side; electrical control box present; concrete footers inside bldg	SB-G7-2149-01 through SB-G7-2149-04	SB-G7-2149-01 SB-G7-2149-04	Sampling location SB-G07-2149-01 was determined using professional judgement; Sampling location SB-G07-2149-04 was determined using XRF screening; Results indicated an arsenic concentration of 329 ppm at SB-G07-2149-04	Metals, SVOCs
G7-2164	Old Barrel Coating	Wooden structure over concrete block foundation; Rail and truck loading areas; No evidence of release	SB-G7-2164-01 through SB-G7-2164-07	SB-G7-2164-01 SB-G7-2164-05 SB-G7-2164-07	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 278 ppm at SB-G07-2164-01 and 282 ppm at SB-G07-2164-05. Other location sampled using professional judgement.	Metals, SVOCs, E&E
G7-58	Smokeless Supply Store	Bldg demolished; old concrete and stone wall present on NW side scrap metal, brick, and rebar remains. No evidence of release.	SB-G7-58-01 through SB-G7-58-05	SB-G7-58-04 SB-G7-58-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling A confirmation sample was collected at SB-G07-58-01	E&E

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AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
G8-2110	Cut Powder Store	Wooden bldg constructed on concrete footers; rail loading area; on NE side; 1' x 1' duct work vent on NW side; No evidence of release.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials found to be present using an Expray Test Kit	E&E
G8-2114	Dry house	Bldg demolished-gravel and vegetation covered area remains; concrete loading area present; stressed vegetation present off S corner with green anti-static material present	SB-G8-2114-01 through SB-G8-2114-06	SB-G8-2114-03 SB-G8-2114-06	Sampling locations were determined using XRF screening Results indicated an arsenic concentration of 164 ppm at SB-G08-2114-03 and a copper concentration of 9,950 ppm at SB-G08-2114-06	Metals, E&E, SVOCs
G8-2209	Control House	Concrete block control house-controls for mixer/hot water transformer/mixer tilt drive. Concrete gutter on NE side leads to 8562 (Catch Tank House). No evidence of a release.	SB-G8-2209-01 through SB-G8-2209-05	SB-G8-2209-01 SB-G8-2209-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals
G8-2210	Halfway House	Corrugated metal cylinder overlain with soil; adjacent to 2249 loading area to E; alcohol and acetone feedlines enter front entrance from G8-3. No evidence of release	SB-G8-2210-01 through SB-G8-2210-03	SB-G8-2210-02 SB-G8-2210-03	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	E&E, SVOCs
G8-2249	Unknown	Corrugated metal cylindrical bldg overlain by soil; concrete gutter leads to Catch Tank house (8562); lead floor. No evidence of release.	SB-G8-2249-01 through SB-G8-2249-03	SB-G8-2249-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E
G8-3	Chemical Storage Shed	Alcohol and acid storage shed feedlines to 2210 and 2207; concrete foundation, wood, and corrugated fiberglass walls, wood roof. No evidence of release.	SB-G8-3-01 through SB-G8-3-04	SB-G8-3-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	VOCs
G9-2108	Repair Shop	Sheet metal construction over 1' x 1' concrete footer; steam pipe on NW/SE sides. No evidence of release.	SB-G9-2108-01 through SB-G9-2108-06	SB-G9-2108-02 SB-G9-2108-05	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
G9-2123	Chemical Weigh House	Wooden and corrugated sheet metal construction over concrete block foundation; loading door in front; 3" diameter duct vent on SW side; walkway adjacent to 9322; minor amount of stressed soil under duct vent. No evidence of release.	SB-G9-2123-01 through SB-G9-2123-06	SB-G9-2123-01 SB-G9-2123-05	Sampling location SB-G09-2123-05 was determined using professional judgement; Sampling location SB-G09-2123-01 was determined using XRF screening; Results indicated an arsenic concentration of 173 ppm at SB-G09-2123-01	Metals, SVOCs
G9-3	Former Tanks	Tank/cradles removed-largely vegetated area; minimal evidence of former tank present; No evidence of release	SB-G9-3-01 through SB-G9-3-03	SB-G9-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
G9-7	Unknown Pond	Pond filled in: largely vegetated with significant ponded water present. No evidence of release (area=18,000 sq ft).	SB-G9-7-01 through SB-G9-7-20	SB-G9-7-05 SB-G9-7-11	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
G9-9322	Chemical Storage	Corrugated sheet metal and wooden construction on concrete footers; loading areas on NW/SE side; No evidence of release	SB-G9-9322-01 through SB-G9-9322-06	SB-G9-9322-02 SB-G9-9322-04	Sampling location SB-G09-9322-02 was determined using professional judgement; Sampling location SB-G09-9322-04 was determined using E&E screening; Group B E&E materials were detected at SB-G09-9322-04 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals, E&E, SVOCs

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A-Line Area FA Justification
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Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sampling IDs	Analytical Sampling IDs	Sampling Selection Justification	Unrestricted Use Exceedances
G9-A11	Machine Scrap Shop Shed	Bldg removed, paved area indicates former location; No evidence of release (area=100 sq ft)	SB-G9-A11-01 through SB-G9-A11-03	SB-G9-A11-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
 = Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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Finishing Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I10-2	Unknown	Only two concrete footers remain. No evidence of a release (area=100 sq ft)	SB-I10-2-01 through SB-I10-2-03	SB-I10-2-02	Sampling location was determined using XRF screening; Results indicated a lead concentration of 666 ppm at SB-I10-2-02.	Metals
I10-2079	Titan Cast House	Largely vegetated area-evidence of bldg removed; No evidence of a release	SB-I10-2079-01 through SB-I10-2079-05	SB-I10-2079-02 SB-I10-2079-05	Sampling location SB-I10-2079-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I10-2079-05.	E&E
I10-2080	Lunch Shed	Vegetation present at former location of lunch shed. Minimal evidence of former foundation. No evidence of a release (area=200 sq ft)	SB-I10-2080-01 through SB-I10-2080-03	SB-I10-2080-01 SB-I10-2080-02	Sampling location SB-I10-2080-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I10-2080-02.	SVOCs
I10-3	Stressed Vegetation	Stressed vegetation-green bldg material which covered concrete foundation (area=100 sq ft)	SB-I10-3-01 through SB-I10-3-02	SB-I10-3-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 11,310 ppm at SB-I10-3-02.	Metals
I10-550	Unknown	Square concrete foundation with protruding rebar; overgrown with vegetation. No evidence of a release.	SB-I10-550-01 through SB-I10-550-04	SB-I10-550-02	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 2,310 ppm at SB-I10-550-02.	Metals
I10-552	Unknown	Largely grass-covered with minor amounts of rubble present. No evidence of a release (area=800 sq ft).	SB-I10-552-01 through SB-I10-552-04	SB-I10-552-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
I10-E50	Unknown	Only vegetation remains-evidence of bldg largely removed; No evidence of a release	SB-I10-E50-01 through SB-I10-E50-05	SB-I10-E50-05 SB-I10-E50-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I10-E50-05. A confirmation sample was collected at SB-I10-E50-01. Analytical results did not detect elevated E&E concentrations.	Metals
I7-15	Blender House # 1	Bldg. Demolished-area bulldozed flat. Some broken foundation fragments. No evidence of a release.	SB-I7-15-01 through SB-I7-15-05	SB-I7-15-05 SB-I7-15-04	Sampling location SB-I7-15-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-15-04	SVOCs, E&E
I7-2124	Blender House	Wooden structure with catch tank on E side and a loading dock on the NE side; loading dock associated with narrow gage rail. Steam drain on SE side with brown staining; cartway on W side that connects blender to Shaker House.	SB-I7-2124-01 through SB-I7-2124-06	SB-I7-2124-04 SB-I7-2124-05 SB-I7-2124-06	Sampling locations were determined using professional judgement. Screening results did not warrant biased sampling	Metals, E&E

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Finishing Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I7-2133A	Unknown	Bldg. Removed, five cement footers remain. Unknown use. No evidence of a release (area=300 sq ft).	SB-I7-2133A-01 through SB-I7-2133A-05	SB-I7-2133A-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I7-2133A-03	Metals, SVOCs, E&E
I7-2305/ 2280/8652	Unknown	Bldgs. Demolished-almost no evidence of existence; One depression that is probably a former bldg.	SB-I7-2305-01 through SB-I7-2305-03	SB-I7-2305-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I7-2305-02	SVOCs, E&E
I7-3	Hand Sieve	Bldg. Demolished-slight depression; No evidence of a release (area=100 sq ft)	SB-I7-3-01 through SB-I7-3-03	SB-I7-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I7-5	Gas Shed	Wooden shed used to store flammable liquids-two doors on W side. No evidence of a release.	SB-I7-5-01 through SB-I7-5-04	SB-I7-5-03	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 1,100 ppm at SB-I7-5-03.	Metals
I7-566	Rest House	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-566-01 through SB-I7-566-03	SB-I7-566-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E
I7-566A	Unknown	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-566A-01 through SB-I7-566A-03	SB-I7-566A-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
I7-8181	Finishing Area Repair Shop	Wooden structure on thick concrete foundation. Shed-like structure on the W side and cement walkway on S side Bldg. May have had a different use in the past.	SB-I7-8181-01 through SB-I7-8181-05	SB-I7-8181-01 SB-I7-8181-04	Sampling location SB-I7-8181-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I7-8181-04.	SVOCs
I7-B59	Sieve House	Bldg. Demolished; No evidence of a release (area=100 sq ft)	SB-I7-B59-01 through SB-I7-B59-03	SB-I7-B59-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
I8-2138/ 2139	Blender and Motor House	Bldgs. Demolished-only found one fragment of a foundation. No evidence of a release.	SB-I8-2138-01 through SB-I8-2138-03	SB-I8-2138-03	Sampling location SB-I8-2138-03 was determined using XRF screening; Results indicated an arsenic concentration of 785 ppm at SB-I8-2138-03	Metals, E&E, SVOCs
I8-2170	Unknown	Mostly vegetated-evidence of former bldg removed; No evidence of release	SB-I8-2170-01 through SB-I8-2170-05	SB-I8-2170-05 SB-I8-2170-04	Sampling location SB-I8-2170-05 was determined using professional judgement; Screening results did not warrant biased sampling SB-I8-2170-04.	E&E

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Finishing Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I8-2328	Shaker House	Wood and concrete structure fully encased within a berm; loading docks to NW and SE; narrow gauge rail loading area in SW. No evidence of a release.	SB-I8-2328-01 through SB-I8-2328-08	SB-I8-2328-02 SB-I8-2328-07	Sampling location SB-I8-2328-07 was determined using professional judgement; Group B E&E material were detected at sampling location SB-I8-2328-02 using an Expray Test Kit	E&E
I8-2328A	Shaker House Rotoclone	Small wood structure on cinder block foundation; steam and water ducts from I8-2328. No evidence of a release.	SB-I8-2328A-01 through SB-I8-2328A-04	SB-I8-2328A-02 SB-I8-2328A-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I8-2328A-02. A confirmation sample was collected at SB-I8-2328A-03.	E&E, SVOCs
I8-2333	Control House	Cylindrical corrugated steel with concrete foundation overlain by soil bunker. No evidence of release.	SB-I8-2333-01 through SB-I8-2333-03	SB-I8-2333-02 SB-I8-2333-03	Sampling location SB-I8-2333-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-2333-03.	Metals
I8-2405	Ribbon Blender	Concrete walls and foundation; wooden walls and ceilings recent construction, somewhat unfinished; multiple loading areas slide on W side; shed and holding tank on E side; built over the following former bldgs: 594-B, 595-B, 596-B, 2329, and 2327. No evidence of release.	SB-I8-2405-01 through SB-I8-2405-07	SB-I8-2405-01 SB-I8-2405-05 SB-I8-2405-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
I8-588(E)	Rest House	Mostly vegetated-concrete footers present; possible former heater house on S end; stressed vegetation-mostly slag on SE corner of bldg	SB-I8-588E-01 through SB-I08-588E-06	SB-I8-588E-03 SB-I8-588E-06	Sampling location SB-I8-588E-03 was determined using XRF screening; Results indicated a lead concentration of 1,397 ppm at SB-I8-588E-03	Metals
I8-8236	Finishing Area Canteen	Brick bldg. concrete foundation. Septic tank ~ 15' N of bldg. Possible stressed vegetation, brown stained soils, at NW corner adjacent to a steam drain (one sludge sample taken from septic during Single Phase Remediation effort).	SB-I8-8236-01 through SB-I8-8236-05 TP-I8-8236-06	SB-I8-8236-01 SB-I8-8236-05 TP-I8-8236-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling. Test Pit location placed downgradient from septic.	SVOCs
I8-9334	Unknown	Small bldg. based on map, probably used with I8-2328 Bldg. Demolished. No evidence of a release.	SB-I8-9334-01 through SB-I8-9334-03	SB-I8-9334-01 SB-I8-9334-02	Sampling location SB-I8-9334-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I8-9334-02.	E&E, SVOCs
I9-2	Heater House	Concrete pad where former heater house stood; Steam pipes from 2112 lead to pad; No evidence of a release	SB-I9-2-01 through SB-I9-2-03	SB-I9-2-01 SB-I9-2-02	Sampling location SB-I9-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-2-02.	SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I9-2311	Dry House	Large concrete foundation with rebar and rail ties; ceramic debris with possible lead paint on NE end of foundation; currently ethyl alcohol tank supported by rail ties on foundation surrounded by large soil berm. Potential release-lead flooring present.	SB-I9-2311-01 through SB-I9-2311-08	SB-I9-2311-01 SB-I9-2311-06	Sampling locations were determined using an Expray Test Kit; Group B E&E materials were detected at SB-I9-2311-01/06	E&E
I9-519	Unknown	Bldg demolished; minimal evidence of former bldg; No evidence of release	SB-I9-519-01 through SB-I9-519-05	SB-I9-519-03 SB-I9-519-04	Sampling locations SB-I9-519-03/04 were determined using XRF screening; Results indicated a lead concentration of 1,136 ppm at SB-I9-519-03 and 2,327 ppm at SB-I9-519-04	Metals
I9-523	Unknown	Vegetation and macadam over former location of bldg.; No evidence of a release	SB-I9-523-01 through SB-I9-523-05	SB-I9-523-03 SB-I9-523-05	Sampling location SB-I9-523-03 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I9-523-05.	E&E, SVOCs
I9-524	Unknown	Mostly vegetation, minor amounts of rubble present; No evidence of a release	SB-I9-524-01 through SB-I9-524-05	SB-I9-524-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 688 ppm at SB-I9-524-01.	Metals, E&E, SVOCs
J10-587 (B)	Unknown	Concrete and brick present; No evidence of a release	SB-J10-587B-01 through SB-J10-587B-03	SB-J10-587B-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
J6-2340	Can Pack House Rotoclone	Wooden structure used to house Rotoclone Particulate Filter. Duct on S side from J7-2133; Steam and possibly compressed air to the E. No evidence of a release.	SB-J6-2340-01 through SB-J6-2340-05	SB-J6-2340-02 SB-J6-2340-04	Sampling location SB-J6-2340-02 was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J6-2340-02; Sample location SB-J6-2340-04 was determined using XRF screening. Results indicated a lead concentration of 416 ppm at SB-J6-2340-04. Analytical results did not detect elevated E&E or metal concentrations.	SVOCs
J7-1	Graphite Pond	Former pond that received waste from Blender/Packer House J7-2281 J7-2282; pine trees in former pond; no water in former pond. No evidence of negative impact to the pond (area=18,000 sq ft).			This AOC has been reserved for the Remedial Investigation due to the presence of E&E materials	E&E
J7-2	Unknown	Complex of unknown foundations. Some pyramidal footers. Bldg. extends to rail line-heavily overgrown. No evidence of a release.	SB-J7-2-01 through SB-J7-2-05	SB-J7-2-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J7-2-03	SVOCs, E&E

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Finishing Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J7-2133	Old Can Pack House	Wooden structure built on a possible rock foundation; narrow gauge rail line in S of bldg. three loading doors adjacent to rails; Bldg. is bermed. No evidence of a release.	SB-J7-2133-01 through SB-J7-2133-06	SB-J7-2133-01 SB-J7-2133-06	Sampling locations were determined by using XRF screening and an Expray Test Kit; Group B E&E materials were detected at sampling locations SB-J7-2133-01/06; Results indicated a lead concentration of 791 ppm at SB-J7-2133-01 and 460 ppm at SB-J7-2133-06	Metals, SVOCs, E&E
J7-2246	Bulk Pack Scrap Shed	Wood and steel structure that currently contains electric relays. No evidence of a release from this bldg.	SB-J7-2246-01 through SB-J7-2246-04	SB-J7-2246-01 SB-J7-2246-02	Sampling location SB-J7-2246-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-2246-02.	SVOCs
J7-2281	Blender/Packer	Wooden structure covered with mound of earth; loading dock on SE corner; discharge pipe on SW corner reportedly goes to graphite pond. No evidence of a release except the discharge pipe.	SB-J7-2281-01 through SB-J7-2281-06	SB-J7-2281-02 SB-J7-2281-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E, SVOCs
J7-2324	Heater House	Wood and steel structure housing a heater for bldg. J7-8133. Duct to J7-8133 on W side and a vent on the E side. No evidence of a release.	SB-J7-2324-01 through SB-J7-2324-06	SB-J7-2324-06	Sampling location was determined using XRF screening; Results indicated a lead concentration of 482 ppm at SB-J7-2324-06	Metals, SVOCs
J7-241	Rest House 241	Bldg. demolished area covered with grass - two foundations in SW corner of area remain. No evidence of a release.	SB-J7-241-01 through SB-J7-241-05	SB-J7-241-05 SB-J7-241-04	Sampling location SB-J7-241-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-241-04.	E&E
J7-8281	Store House	Bldg. demolished with no evidence of former bldg; center of bldg. Estimated. No evidence of a release.	SB-J7-8281-01 through SB-J7-8281-03	SB-J7-8281-02 SB-J7-8281-01	Sampling location SB-J7-8281-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J7-8281-01.	SVOCs
J8-2354	Can Pack House (Sign on front reads"Canister House")	Wood and concrete construction; fairly new; many loading areas. No evidence of a release.	SB-J8-2354-01 through SB-J8-2354-09	SB-J8-2354-02 SB-J8-2354-05 SB-J8-2354-01	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
J9-1	Debris Area	Vegetation in place of former debris area; minor amounts of brick. Scrap metal present (area=100 sq ft).	SB-J9-1-01 through SB-J9-1-02	SB-J9-1-02	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,300 ppm at SB-J9-1-02	Metals, SVOCs

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
J9-2111	NC Dry House	Substation built at location of former dry house; brick scattered around. No evidence of a release.	SB-J9-2111-01 through SB-J9-2111-05	SB-J9-2111-05 SB-J9-2111-04	Sampling location SB-J9-2111-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-J9-2111-04.	E&E
J9-2142	Heater House	Only foundation remains,concrete and rebar with rail ties cast-in-place, metal plates cast-in, metal pipe debris; lead paint coating on concrete footer; brick and burnt wood present. Stressed vegetation on N side.	SB-J9-2142-01 through SB-J9-2142-05	SB-J9-2142-04 SB-J9-2142-05	Sampling location SB-J9-2142-04 was determined using professional judgement; Screening results did not warrant biased sampling. Sampling location SB-J9-2142-05 was determined using XRF screening; Results indicated a copper concentration of 603 ppm at SB-J9-2142-05.	Metals, SVOCs
J9-3	Debris Area	General bldg demolition materials and slag; brick, corrugated sheet metal and stone (area=100 sq ft)	SB-J9-3-01 through SB-J9-3-03	SB-J9-3-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
J9-4	Unknown Name	Only concrete footers present, all other evidence removed (area=600 sq ft)	SB-J9-4-01 through SB-J9-4-04	SB-J9-4-03	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J9-4-03	Metals, E&E, SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-50

Ammonia-Nitrate Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
G13-1	Office	Former office	SB-G13-1-01 through SB-G13-1-05	SB-G13-1-03 SB-G13-1-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 1,069 ppm at SB-G13-1-03. A confirmation sample was taken at SB-G13-1-04.	Metals
H12-1	Settling Pond	Currently covered with grass; No evidence of release (area=1,900 sq ft)	SB-H12-1-01 through SB-H12-1-07	SB-H12-1-02 SB-H12-1-06 SB-H12-1-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	SVOCs, Metals
H12-237	Former Burning Ground	Large areas of SV; minor amounts of gray/green discoloration. Slag aggregate present (area=25,000 sq ft).			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials	E&E
H13-1	Unknown Name	Bldg. demolished-wood construction; three posts evident in W corner; Stressed vegetation in W corner and N of rail line off of N corner of bldg.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials	E&E
H13-2014	Ammonia Rope House	Bldg. demolished-vegetation covers area; No evidence of release (area=100 sq ft)	SB-H13-2014-01 through SB-H13-2014-03	SB-H13-2014-01	Sampling location was determined using XRF screening and an Expray Test Kit; Results indicated a lead concentration of 2,014 ppm and a copper concentration of 886 ppm at SB-H13-2014-01. Group B E&E materials were detected at SB-H13-2014-01	SVOCs, Metals, E&E
H13-2031A	Unknown Shed	Unknown storage shed (area=100 sq ft)	SB-H13-2031A-01 through SB-H13-2031A-03	SB-H13-2031A-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
H13-7	Stressed Vegetation	Large area with minimal vegetation; White powdery material present in small amounts to S corner of area (area=6,200 sq ft)			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials	E&E
H13-8158	South Gate House	Wooden construction with aluminum siding, asphalt roof; Gate house only, no evidence of release	SB-H13-8158-01 through SB-H13-8158-04	SB-H13-8158-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H13-8164	Training Building	Wooden/brick/aluminum siding building; No. 2 fuel oil storage at E corner, septic tank at W corner	SB-H13-8164-01 through SB-H13-8164-05	SB-H13-8164-02 SB-H13-8164-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	SVOCs, Metals
H13-8214	Oxidation House Parts Storage	Bldg. demolished-vegetation covers area; No evidence of release (area=100 sq ft)	SB-H13-8214-01 through SB-H13-8214-03	SB-H13-8214-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs

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H13-8226	Change House	Bldg. demolished-vegetation covers area; Associated septic (sludge sample taken during Single Phase Remediation); No evidence of release	SB-H13-8226-01 through SB-H13-8226-05 TP-H13-8226-06	SB-H13-8226-02 SB-H13-8226-01 TP-H13-8226-06	Sampling location SB-H13-8226-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-H13-8226-01. Test Pit location downgradient from septic.	Metals, SVOCs
I11-9303	Ingredient Storage	Bldg. demolished-minimal evidence remains; No evidence of release	SB-I11-9303-01 through SB-I11-9303-05	SB-I11-9303-02	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I11-9303-02	SVOCs, Metals, E&E
I11-B5	Storage Shed	Corrugated metal shed on wooden foundation. Two waste laboratory glassware metal refuse containers on S side of shed. No evidence of release.	SB-I11-B5-01 through SB-I11-B5-04	SB-I11-B5-04	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 185 ppm at SB-I11-B5-04	Metals
I12-10	Unknown Foundation	Concrete foundation-possibly formerly lead painted. Possible tank storage. No evidence of release.	SB-I12-10-01 through SB-I12-10-04	SB-I12-10-03 SB-I12-10-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 722 ppm and a zinc concentration of 4,760 ppm at SB-I12-10-03. A confirmation sample was taken at SB-I12-10-01. Analytical results did not detect elevated metal concentrations.	SVOCs
I12-11	Debris Area	Bldg. debris and decontaminated equipment from adjacent decontamination area (area=5,900 sq ft).	SB-I12-11-01 through SB-I12-11-14	SB-I12-11-06 SB-I12-11-08 SB-I12-11-13 SB-I12-11-11 SB-I12-11-09 SB-I12-11-02 SB-I12-11-04	Sampling locations SB-I12-11-06/08/13/11 were determined using professional judgement; Screening results did not warrant biased sampling. Confirmation samples were taken at SB-I12-11-02/04/09.	SVOCs
I12-14	Stressed Vegetation	Area of reduced vegetation growth; minimal staining evident. Possibly due to acid storage (area=400 sq ft).	SB-I12-14-01 through SB-I12-14-03	SB-I12-14-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 948 ppm and a copper concentration of 642 ppm at SB-I12-14-01	Metals
I12-15	Unknown Concrete Vault	6' deep concrete vault currently filled in with soil/debris; NW side 6' square cutout-possible inlet for catch tank; No evidence of release	SB-I12-15-01 through SB-I12-15-04	SB-I12-15-01 SB-I12-15-04	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	Metals
I12-2010	Evaporation Shed	Bldg. demolished-concrete footers remain; No evidence of release	SB-I12-2010-01 through SB-I12-2010-05	SB-I12-2010-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I12-2013	Crystalizer Repair Shop	Bldg. demolished-concrete pad remains. Currently decontamination oven mounted on concrete pad.	SB-I12-2013-01 through SB-I12-2013-04	SB-I12-2013-01	Sampling location was determined using XRF screening; Results indicated a copper concentration of 1,610 ppm at SB-I12-2013-01	Metals

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I12-2184	Compressor House	Bldg. demolished; Minimal evidence of former location; No evidence of release	SB-I12-2184-01 through SB-I12-2184-03	SB-I12-2184-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 296 ppm at SB-I12-2184-01	Metals
I12-2186	Oxidation House	Steel and concrete masonry unit with plaster covering. Laboratory room storage, loading area, and electrical control room. No. 2 fuel oil ASTs with concrete containment.	SB-I12-2186-01 through SB-I12-2186-15	SB-I12-2186-03 SB-I12-2186-06 SB-I12-2186-13	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	Metals, SVOCs
I12-2287	Falling Film Evaporator	Bldg. demolished-center of building between two foundations-one with brick wall. No evidence of release (area=300 sq ft).	SB-I12-2287-01 through SB-I12-2287-04	SB-I12-2287-01 SB-I12-2287-04	Sampling location SB-I12-2287-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was taken at SB-I12-2287-04.	Metals
I12-2341	Unknown Name	Bldg. demolished-concrete rubble present; No evidence of release	SB-I12-2341-01 through SB-I12-2341-03	SB-I12-2341-03	Sampling location was determined using XRF screening; Results indicated a lead concentration of 25,130 ppm at SB-I12-2341-03	Metals, SVOCs
I12-6	Unknown Concrete Pad	Possible former Boiler House pad. Recently constructed pad. No evidence of release.	SB-I12-6-01 through SB-I12-6-04	SB-I12-6-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, SVOCs
I12-7	Equalization Tank	Steel tank, catch basin on NW side with two flanking valve boxes. Pumps on SW side. No evidence of release.	SB-I12-7-01 through SB-I12-7-04 TP-I12-7-05	SB-I12-7-02 SB-I12-7-04 SB-I12-7-05	Sampling location SB-I12-7-02 was determined using professional judgement; Sampling location SB-I12-7-04 was determined using an Expray Test Kit; Group B E&E materials were detected at SB-I12-7-04. Test Pit location was placed downgradient of the sump.	Metals
I12-9110	Nitric Acid Storage Tanks	Bldg. Demolished-minimal evidence of former tanks, tanks removed. No evidence of release.	SB-I12-9110-01 through SB-I12-9110-06	SB-I12-9110-03 SB-I12-9110-04	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	Metals

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I12-9111	Wastewater Treatment Tank	Treatment tank, associated three blowers, wastewater disinfector overflow structure and return piping. Oily area between blowers and WWTP tank.	SB-I12-9111-01 through SB-I12-9111-07	SB-I12-9111-04 SB-I12-9111-01	Sampling location was determined using XRF screening; Results indicated a zinc concentration of 5,090 ppm at SB-I12-9111-04. A confirmation sample was taken at SB-I12-9111-01. Analytical results did not detect elevated metal concentrations.	SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
I11-8278	Charge House	Concrete footers only evidence of former building; Area covered with vegetation; No evidence of release (area=100 sq ft)	SB-I11-8278-01 through SB-I11-8278-03	SB-I11-8278-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
I11-9301	Box Store House	Minimal evidence of former building, now a vegetated area; Some rebar protruding from the ground N end of former building	SB-I11-9301-01 through SB-I11-9301-05	SB-I11-9301-05 SB-I11-9301-02	Sampling location SB-I11-9301-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-I11-9301-02.	Metals, SVOCs
J10-2	Debris Area	Most metal debris removed along this former railroad line. Minor amounts of aluminum and sheet metal, rail ties and track. No evidence of release (area=3,700 sq ft).	SB-J10-2-01 through SB-J10-2-11	SB-J10-2-03 SB-J10-2-04 SB-J10-2-08 SB-J10-2-11	Sampling locations SB-J10-2-03/08/11 were determined using an Expray Test Kit; Group B E&E materials were detected at SB-J10-2-03/08/11; Sampling locations SB-J10-2-04/11 were determined using XRF screening. Results indicated an arsenic concentration of 328 ppm at SB-J10-2-04 and 400 ppm at SB-J10-2-11. Analytical results did not detect elevated E&E concentrations.	Metals, SVOCs
J10-2033	Box Paint House	All that remains of former building is vegetated area and one footer; Adjacent to rail line. No evidence of release.	SB-J10-2033-01 through SB-J10-2033-05	SB-J10-2033-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 770 ppm at SB-J10-2033-01	Metals, SVOCs
J10-2166	D-2 Wax House	CMU foundation with wooden siding. Catch tank on S side.			This AOC has been referred to the Remedial Investigation due to the presence of E&E materials	E&E
J10-9122	D-2 Wax Tank	Utility hoist motor on SW side; Pump and temp gauge on NE side; Wax coating on surrounding machinery	SB-J10-9122-01 through SB-J10-9122-03	SB-J10-9122-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	VOCs
J10-9334	D-2 Store House	Wooden construction built on concrete footers; No evidence of a release	SB-J10-9334-01 through SB-J10-9334-06	SB-J10-9334-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-J10-9334-01	SVOCs, E&E
J8-9220	Shipping House #1	Concrete foundation with wooden construction and corrugated sheet metal, 3 loading areas. Soil berm on N. side of building. No evidence of a release	SB-J8-9220-01 through SB-J8-9220-07	SB-J8-9220-02 SB-J8-9220-05	Sampling location SB-J8-9220-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-J8-9220-02	E&E
K7-2125	Rest House #2	Steel and wood structure; Three loading doors on E side, loading dock on S side, possible; narrow gauge railroad on E side; No evidence of a release	SB-K7-2125-01 through SB-K7-2125-05	SB-K7-2125-01 SB-K7-2125-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
K7-2126	Rest House #3	Steel and wood structure; Two loading doors on E side, loading dock on SE corner; A canopy covers the loading dock; No evidence of a release	SB-K7-2126-01 through SB-K7-2126-05	SB-K7-2126-03 SB-K7-2126-05	Sampling location SB-K7-2126-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-K7-2126-03	E&E

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AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
K7-2132	Rest House #4	Wood and steel structure. Three loading doors on the W side and a loading dock on the S corner. A canopy covers the loading dock, a potential narrow gauge rail loading area. No evidence of a release.	SB-K7-2132-01 through SB-K7-2132-05	SB-K7-2132-03 SB-K7-2132-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
K8-1	Unknown Foundation	Old foundation consisting of cement footers; Probably used for storage; No evidence of release	SB-K8-1-01 through SB-K8-1-05	SB-K0-1-01 SB-K8-1-05	Sampling location SB-K8-1-05 was determined using professional judgement; Sampling location SB-K8-1-01 was determined using XRF screening. Results indicated a lead concentration of 532 ppm and an arsenic concentration of 247 ppm at SB-K8-1-01	Metals, E&E, SVOCs
K8-393	Blender 393 Packhouse 565	Building has been completely removed; No evidence of a release	SB-K8-393-01 through SB-K8-393-05	SB-K8-393-05 SB-K8-393-01	Sampling location SB-K8-393-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-393-01.	E&E, SVOCs
K8-9207	Shipping House #2	All that remains is concrete pad and railroad ties leading up to and away from building. A chunk of TNT found in center of concrete pad. No evidence of a release.	SB-K8-9207-01 through SB-K8-9207-04	SB-K8-9207-02 SB-K8-9207-04	Sampling location SB-K8-9207-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-K8-9207-04.	E&E, SVOCs
K8-9212	New Premix Storehouse	Wooden building with corrugated sheet metal construction; Stressed soil on E and W side of building, dark stained soil with black pellets, possibly coal	SB-K8-9212-01 through SB-K8-9212-07	SB-K8-9212-02 SB-K8-9212-07	Sampling location SB-K8-9212-07 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-K8-9212-02. Analytical results did not detect elevated E&E concentrations.	Metals
K9-9203	Dynamite Magazine #4	Brick foundation, corrugated sheet metal, wooden construction Loading dock to SW side of building. No evidence of release.	SB-K9-9203-01 through SB-K9-9203-07	SB-K9-9203-01 SB-K9-9203-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
L6-2128	Rest House #7	Steel and wood structure. Two loading doors on E side, loading dock on E corner, possibly for narrow gauge railroad. No evidence of a release.	SB-L6-2128-01 through SB-L6-2128-05	SB-L6-2128-03 SB-L6-2128-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
L6-2129	Rest House #9	Steel sided structure with loading areas on the W and possibly E sides. No evidence of released.	SB-L6-2129-01 through SB-L6-2129-07	SB-L6-2129-03 SB-L6-2129-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
L7-2130	Rest House #8	Steel sided building. Two narrow gauge rail loading areas, one truck loading area, one hand loading area. No evidence of a release.	SB-L7-2130-01 through SB-L7-2130-08	SB-L7-2130-01 SB-L7-2130-06	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E

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L7-2131	Rest House #5	Wood and steel structure. Three loading doors and a loading dock on the E side. A canopy covers the loading dock, a potential narrow gauge rail loading area. No evidence of a release.	SB-L7-2131-01 through SB-L7-2131-05	SB-L7-2131-04 SB-L7-2131-05	Sampling location SB-L7-2131-05 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-L7-2131-04	E&E
M6-1	Debris Area	Debris area and flyash consisting of bottles, pipes, a drum and general rubbish along a duck pond (area=14,000 sq ft)	SB-M6-1-01 through SB-M6-1-20	SB-M6-1-01 SB-M6-1-06 SB-M6-1-07 SB-M6-1-11 SB-M6-1-13 SB-M6-1-14 SB-M6-1-15 SB-M6-1-18	Sampling locations SB-M6-1-11/13/14/15/18 were determined using professional judgement; Sampling location SB-M6-1-06 was determined using XRF screening. Results indicated an arsenic concentration of 229 ppm at SB-M6-1-06; Group B E&E materials were detected at SB-M6-1-01/07 using an Expray Test Kit. Analytical results did not detect elevated E&E concentrations.	Metals
M7-1	Possible Dynamite Magazine	Building has been removed, only remains are an elevated area of soil and the remains of a loading dock. No evidence of a release.	SB-M7-1-01 through SB-M7-1-05	SB-M7-1-01 SB-M7-1-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
M7-2	Debris Area	Debris area consisting of metal cans, pipes, fittings and sidings, Some concrete covered in the green fibrous material from N7-5 (area=30,000 sq ft)	SB-M7-2-01 through SB-M7-2-20	SB-M7-2-02 SB-M7-2-04 SB-M7-2-05 SB-M7-2-11 SB-M7-2-13 SB-M7-2-15 SB-M7-2-18 SB-M7-2-20	Sampling locations SB-M7-2-02/04/11/13/18 were determined using professional judgement; Sampling locations SB-M7-2-05/15/20 were determined using XRF screening. Results indicated a copper concentration of 9,200 ppm and a lead concentration of 1,117 ppm at SB-M7-2-05; an arsenic concentration of 371 ppm at SB-M7-2-15; and a lead concentration of 863 ppm at SB-M7-2-20	Metals, SVOCs
N5-582	Former Store House	Old wooden structure that has been completely removed, only poorly weathered berm remains. No evidence of release.	SB-N5-582-01 through SB-N5-582-05	SB-N5-582-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
N6-640	Blending House	Formerly large structure, all that remains is the central foundation, it is covered with debris with trees growing in it, it is reported the structure was scrapped. No evidence of release.	SB-N6-640-01 through SB-N6-640-05	SB-N6-640-03	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 254 ppm at SB-N6-640-03	Metals, SVOCs

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N7-2	Debris Area	Debris area consisting of drums, wood, cement and scrap metal. Pooled water that may be seasonal, buried drums (area=11,000 sq ft).	SB-N7-2-01 through SB-N7-2-19	SB-N7-2-06 SB-N7-2-07 SB-N7-2-10 SB-N7-2-13 SB-N7-2-14 SB-N7-2-17	Sampling locations SB-N7-2-06/07/10/13/14 were determined using professional judgement; Sampling location SB-N7-2-17 was determined using XRF screening. Results indicated a lead concentration of 1236 ppm at SB-N7-2-17	Metals, SVOCs
N7-572	Unknown	Building has been totally destroyed, the only remnants being a few bricks and a piece of copper. No evidence of a release (area=100 sq ft).	SB-N7-572-01 through SB-N7-572-03	SB-N7-572-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E
N7-573	Unknown	Building totally removed, approximate location based on historic maps. No evidence of release.	SB-N7-573-01 through SB-N7-573-03	SB-N7-573-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals, E&E, SVOCs
N7-9222	Shipping House #8	Cement foundation wood with steel siding, there is a berm to the S. There is a potential loading in the E and two loading docks, the N loading dock is for rail, the W loading dock for trucks. No evidence of release.	SB-N7-9222-01 through SB-N7-9222-07	SB-N7-9222-06 SB-N7-9222-01	Sampling location SB-N7-9222-06 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-N7-9222-01.	E&E
O5-579	Rest House #13	Building completely removed, only foundation remains. No evidence of release.	SB-O5-579-01 through SB-O5-579-05	SB-O5-579-04 SB-O5-579-01	Sampling location SB-O5-579-04 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O5-579-01.	E&E
O6-9223	Shipping House #10	Concrete foundation with a wooden structure sided in steel. Two loading docks on the N and S side. No evidence of a release. Loading dock is covered with a roof structure	SB-O6-9223-01 through SB-O6-9223-07	SB-O6-9223-06 SB-O6-9223-07	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	E&E
O6-9224	Shipping House #12	Concrete foundation with a wooden structure sided in steel. Two loading docks on the E and W side. No evidence of a release.	SB-O6-9224-01 through SB-O6-9224-07	SB-O6-9224-03 SB-O6-9224-06	Sampling location SB-O6-9224-06 was determined using professional judgement; Group B E&E materials were detected at sampling location SB-O6-9224-03	E&E
O7-1	Water Dry House	Building has been removed except for 14 cement column footers, some toppled. No evidence of a release.	SB-O7-1-01 through SB-O7-1-05	SB-O7-1-03 SB-O7-1-01	Sampling location was determined using XRF screening; Results indicated a lead concentration of 4200 ppm at SB-O7-1-03. A confirmation sample was collected at SB-O7-1-01	Metals
O7-396	Blender 396	No evidence of building remain, location based on historic maps. No evidence of release.	SB-O7-396-01 through SB-O7-396-03	SB-O7-396-02 SB-O7-396-03	Sampling location SB-O7-396-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-O7-396-03.	Metals

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O7-9319	Former Store House	Building was dismantled and all that remains are brick and cement footers with scattered debris including metal reinforcers and pipes. No evidence of a release.	SB-O7-9319-01 through SB-O7-9319-04	SB-O7-9319-01	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-O7-9319-01	Metals, E&E
O8-3	Debris Area	Debris pushed down the slope from B-Line. Consists of foundations, process equipment and scrap metal. Slightly stressed or steep slope prevents vegetation (area=15,000 sq ft).	SB-O8-3-01 through SB-O8-3-20	SB-O8-3-04 SB-O8-3-06 SB-O8-3-09 SB-O8-3-12 SB-O8-3-13 SB-O8-3-15 SB-O8-3-18 SB-O8-3-20	Sampling locations SB-O8-3-04/06/09/12/13/15/18/20 were determined using professional judgement; Screening results did not warrant biased sampling	Metals, SVOCs
O8-392	Water Dry House	Building has been removed, location estimated from historical maps. No evidence of a release.	SB-O8-392-01 through SB-O8-392-03	SB-O8-392-02	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	E&E
O8-732	Blending Tower 732	Inner cement circle surrounded by nine support footers. Pit is filled with water, structure completely removed. No evidence of a release.	SB-O8-732-01 through SB-O8-732-05	SB-O8-732-01 SB-O8-732-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 664 ppm at SB-O8-732-01. A confirmation sample was collected at SB-08-732-04.	Metals
P5-535	Dry House #54	Very similar to 05-537 and 05-536. No evidence of release.	SB-P5-535-01 through SB-P5-535-05	SB-P5-535-04	Sampling location was determined using XRF screening; Results indicated a lead concentration of 666 ppm at SB-P5-535-04	Metals, E&E
P6-541	Dry House #60	Building has been completely removed, all that remains is 21 concrete footers, small amount of steel siding S of former structure. No evidence of release.	SB-P6-541-01 through SB-P6-541-05	SB-P6-541-05 SB-P6-541-01	Sampling location SB-P6-541-05 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P6-541-01.	Metals
P6-651	Blender 651	Only concrete footer remains. No evidence of release.	SB-P6-651-01 through SB-P6-651-05	SB-P6-651-02 SB-P6-651-04	Sampling location SB-P6-651-02 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-P6-651-04.	Metals
P6-9225	Shipping House	Cement pad with wooden structure, covered with steel siding. Loading dock on SW side-partially collapsed, no utilities. No evidence of release.	SB-P6-9225-01 through SB-P6-9225-05	SB-P6-9225-03 SB-P6-9225-05	Sampling locations were determined using professional judgement; Screening results did not warrant biased sampling	SVOCs

Table 5-51

Storage Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Justification	Unrestricted Use Exceedances
P7-4	Unknown	Foundation debris piled up, most likely a former store house, there is an area of S.V. where this building once stood. The S.V. area looks to be covered with flyash.	SB-P7-4-01 through SB-P7-4-03	SB-P7-4-01	Sampling location was determined using XRF screening; Results indicated an arsenic concentration of 183 ppm at SB-P7-4-01	Metals, SVOCs
P7-9209	Shipping House #11	Wooden structure sided and roofed with steel, two narrow gauge rail loading docks on the S side and a truck loading dock on the E side. There is no evidence of a release.	SB-P7-9209-01 through SB-P7-9209-07	SB-P7-9209-03 SB-P7-9209-06	Sampling location SB-P7-9209-06 was determined using professional judgement; Sampling location SB-P7-9209-03 was determined using XRF screening. Results indicated a mercury concentration of 333 ppm at SB-P7-9209-03	Metals, E&E
Q6-8	House Storage	Old cement pad with loading dock, old use unknown, currently small steel shed that holds fire hose for burn area. No evidence of release	SB-Q6-8-01 through SB-Q6-8-05	SB-Q6-8-03 SB-Q6-8-05	Sampling location was determined using an Expray Test Kit; Group B E&E materials were detected at SB-Q6-8-03. A confirmation sample was collected at SB-Q6-8-05.	E&E
R5-1	Former Container Debris	Holding area for containers, all removed except one 5 gal steel container. No evidence of release.	SB-R5-1-01 through SB-R5-1-03	SB-R5-1-01 SB-R5-1-03	Sampling location SB-R5-1-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-R5-1-03.	SVOCs
R5-2	Spill Area	There are three separate areas of SV, Area A contains some white material, Area B has no identifiable material, Area C has small metal wires and old rope; possible dumping area.	SB-R5-2-01 through SB-R5-2-06	SB-R5-2-01 SB-R5-2-03 SB-R5-2-05	Sampling locations SB-R5-2-01/05 were determined using professional judgement; Sampling location SB-R5-2-03 was determined using XRF screening. Results indicated a zinc concentration of 2,430 ppm at SB-R5-2-03	Metals
S7-1	Railroad Canteen	Currently only concrete piers present on S side; fired clay tiles present-used in construction. No evidence of release (area=300 sq ft).	SB-S7-1-01 through SB-S7-1-04	SB-S7-1-01 SB-S7-1-02	Sampling locations were determined using professional judgement Screening results did not warrant biased sampling	SVOCs

Abbreviations:
AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 5-52

Miscellaneous/Offsite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	Unrestricted Use Exceedances
D16-2	Club House	Bldg demolished-largely vegetated area; concrete debris present NW/SE corners of bldg possibly evident. No evidence of release.	SB-D16-2-01 through SB-D16-2-05	SB-D16-2-01 SB-D16-2-04	Sampling location SB-D16-2-01 was determined using professional judgement; Screening results did not warrant biased sampling. A confirmation sample was collected at SB-D16-2-04	SVOCs
E16-8561	Former Sewage Treatment Plant	Wooden (pump) house adjacent to large concrete septic tank; wooden box-gutter leads across stream to a small shed. No evidence of release.	SB-E16-8561-01 through SB-E16-8561-04 TP-E16-8561-05	SB-E16-8561-02 SB-E16-8561-03 SB-E16-8561-04 TP-E16-8561-05	Sampling locations were determined using professional judgement Location SB-E16-8561-02 was analyzed for VOCs, SB-E16-8561-03 for SVOCs and metals. Test Pit location was placed downgradient from the septic tank.	Metals, SVOCs
G14-1	Guard House Office	Concrete pad with small concrete catch box at S corner (possibly only surface water drainage); old ceramic tile floor covers foundation. No evidence of release.	SB-G14-1-01 through SB-G14-1-04	SB-G14-1-02 SB-G14-1-01	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
G14-2	Barracks	Bldg demolished-vegetated area remains; no foundation of bldg debris evident. No evidence of release.	SB-G14-2-01 through SB-G14-2-05	SB-G14-2-05	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	SVOCs
H14-3	Rock Quarry	Inactive rock quarry; unknown items may have been buried here. No evidence of release (area=65,000 sq ft).	SB-H14-3-01 through SB-H14-3-20	SB-H14-3-03 SB-H14-3-19	Sampling location SB-H14-3-19 was determined using professional judgement Sampling location SB-H14-3-03 was determined using XRF screening Results indicated a lead concentration of 1,455 ppm at SB-H14-3-03	Metals
M11-8606	Water Storage	Concrete foundation with steel water tank; No evidence of a release	SB-M11-8606-01 through SB-M11-8606-04	SB-M11-8606-03	Sampling location was determined using XRF screening Results indicated a lead concentration of 525 ppm and a zinc concentration of 14,220 ppm at SB-M11-8606-03	Metals, SVOCs
N13-1	Unknown	Building demolished, large concrete pad with footers remain. Large concrete debris area to the S extending into a thick forest. No evidence of release.	SB-N13-1-01 through SB-N13-1-04	SB-N13-1-03	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals

Table 5-52

Miscellaneous/Offsite Area FA Justification
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

AOC Designation	Name	Description	Screening Sample IDs	Analytical Sample IDs	Sample Selection Description	Unrestricted Use Exceedances
N13-4	Unknown	Large concrete foundation with brick wall on NE side. Two large footers in the center. Building function unknown. No evidence of release.	SB-N13-4-01 through SB-N13-4-04	SB-N13-4-04	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
O13-1	Trap/Pistol Range	Trap/pistol range with an area of stressed vegetation within an area of shotgun impact. Concrete pad with trap house and three metal storage trailers (area=10,000 sq ft).	SB-O13-1-01 through SB-O13-1-18	SB-O13-1-01 SB-O13-1-17	Sampling location was determined using professional judgement Screening results did not warrant biased sampling	Metals
O13-2	Trap/Pistol Range Perimeter	Perimeter of ranges to incorporate areas of suspected contamination. Potential release, lead evident along rear (area=110,000 sq ft)	SB-O13-2-01 through SB-O13-2-20	SB-O13-2-17 SB-O13-2-18	Sampling locations were determined using XRF screening Results indicated a lead concentration of 525 ppm at SB-O13-2-18 and 6,790 ppm at SB-O13-2-17	Metals

Abbreviations:

AOC = Area of Concern
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
E&E = Explosives and Energetics
PCBs = Polychlorinated Biphenyls
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
PID = Photoionization Detector
FID = Flame-Ionization Detector
XRF = X-ray Fluorescence
PPM = Parts Per Million
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
Sq Ft = Square Foot
" = Inch
= Foot
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
Gal = Gallon

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 2-14

Analyte List by AOC Type
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Transformers**
PCBs
TOC, one per AOC
Grain Size, one per AOC

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present
PPL SVOC+25, if suspected to be present
PPL metals, if XRF indicates elevated levels or suspected to be present

Above Ground Storage Tanks and Pipes, Septic Tanks, and Spray Fields**
PPL VOC+15
PPL SVOC+25
TOC, one per AOC
Grain Size, one per AOC

PPL metals + mercury, if XRF indicates elevated levels or suspected to be present
E&E, if field screening indicates positive detection or suspected to be present
pH, if acid stored in above ground storage tank

Discharge Points and Remnant Activity Areas**
PPL SVOC+25
PPL Metals + Mercury
TOC, one per AOC
Grain Size, one per AOC
pH

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present
E&E, if field screening indicates positive detection or suspected to be present

Spill Containment Structures, Wastewater Pits, and Culverts**
PPL SVOC+25
E&E
TOC, one per AOC
Grain Size, one per AOC

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present
PPL metals, if XRF indicates elevated levels or suspected to be present

Existing/Former Process Buildings Including Ancillary Features**
PPL SVOC+25
PPL Metals + Mercury
E&E
TOC, one per AOC
Grain Size, on per AOC

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present

Existing/Former Support Buildings Including Ancillary Features**

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present
E&E, if field screening indicates positive detection or suspected to be present

NG Gutters and Existing/Former E&E Storage Building Including Ancillary Features**
E&E
TOC, one per AOC
Grain Size, one per AOC

PPL VOC +15, if PID/FID indicates positive detection or suspected to be present
PPL metals, if XRF indicates elevated levels or suspected to be present

* Bold items indicate standard analyte list for each AOC. Non bold items may be added to the analyte list if detected through field screening or they are suspected to be present.
** Field screening for the presence of E&E compounds was conducted during the collection of all samples regardless of AOC Type

Abbreviations:

AOC	-	Area of Concern	PID	-	Photo Ionization Detector
E&E	-	Explosive & Energetic	SVOC	-	Semivolatile Organic Compound
FID	-	Flame Ionization Detector	VOC	-	Volatile Organic Compound
NG	-	Nitroglycerin	XRF	-	X-Ray Fluorescence
PCB	-	Polychlorinated Biphenyls			
PPL	-	Priority Pollutant List			

Table 2-15

List of Constituents per Analytical Group
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Analytical Group	Constituent
Energetics and Explosives (E&E)	2-AMINO-4,6-DINITROTOLUENE
	4-AMINO-2,6-DINITROTOLUENE
	DIAZODINITROPHENOL
	1,3-DINITROBENZENE
	2,4/2,6-DINITROTOLUENE_E&E
	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE
	2-NITROTOLUENE
	3-NITROTOLUENE
	4-NITROTOLUENE
	NITROGLYCERIN
	NITROGEN, AMMONIA (AS N)
	NITROBENZENE
	NITROCELLULOSE
	NITROGEN, NITRATE-NITRITE
	PENTAERYTHRITOL TETRANITRATE
	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE
	1,3,5-TRICHLOROBENZENE
	TETRYL
	1,3,5-TRINITROBENZENE
	2,4,6-TRINITROTOLUENE
Priority Pollutant List Total Metals	SILVER
	ARSENIC
	BERYLLIUM
	CADMIUM
	CHROMIUM, TOTAL
	COPPER
	MERCURY
	NICKEL
	LEAD
	pH
	ANTIMONY
	SELENIUM
	THALLIUM
	ZINC
Polychlorinated biphenyls (PCBs)	TOTAL PCBS
	PCB-1016 (AROCHLOR 1016)
	PCB-1221 (AROCHLOR 1221)
	PCB-1232 (AROCHLOR 1232)
	PCB-1242 (AROCHLOR 1242)
	PCB-1248 (AROCHLOR 1248)
	PCB-1254 (AROCHLOR 1254)
	PCB-1260 (AROCHLOR 1260)

Table 2-15

List of Constituents per Analytical Group
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Analytical Group	Constituent
Priority Pollutant List Semi-Volatile Organic Constituents + 25 (PPL SVOCs)	ACENAPHTHENE
	ACENAPHTHYLENE
	ANTHRACENE
	BENZYL BUTYL PHTHALATE
	bis(2-CHLOROETHOXY) METHANE
	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)
	bis(2-CHLOROISOPROPYL) ETHER
	bis(2-ETHYLHEXYL) PHTHALATE
	4-BROMOPHENYL PHENYL ETHER
	BENZO(a)ANTHRACENE
	BENZO(a)PYRENE
	BENZO(b)FLUORANTHENE
	BENZIDINE
	BENZO(g,h,i)FLUORANTHENE
	BENZO(g,h,i)PERYLENE
	BENZO(k)FLUORANTHENE
	4-CHLORO-3-METHYLPHENOL
	CHRYSENE
	2-CHLOROPHENOL
	2-CHLORONAPHTHALENE
	4-CHLOROPHENYL PHENYL ETHER
	DIBENZ(a,h)ANTHRACENE
	3,3'-DICHLOROBENZIDINE
	1,2-DICHLOROBENZENE
	1,3-DICHLOROBENZENE
	1,4-DICHLOROBENZENE
	2,4-DICHLOROPHENOL
	DIETHYL PHTHALATE
	2,4-DIMETHYLPHENOL
	DIMETHYL PHTHALATE
	4,6-DINITRO-2-METHYLPHENOL
	DI-n-BUTYL PHTHALATE
	DI-n-OCTYLPHTHALATE
	2,4-DINITROPHENOL
	2,4/2,6-DINITROTOLUENE_SVOCS
	1,2-DIPHENYLHYDRAZINE
	FLUORENE
	FLUORANTHENE
	HEXACHLOROBUTADIENE
	HEXACHLOROCYCLOPENTADIENE
	HEXACHLOROBENZENE
	HEXACHLOROETHANE
	INDENO(1,2,3-c,d)PYRENE
	ISOPHORONE
	NAPHTHALENE
	N-NITROSODIMETHYLAMINE
	N-NITROSODIPHENYLAMINE
	N-NITROSODI-n-PROPYLAMINE

Table 2-15

List of Constituents per Analytical Group
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Analytical Group	Constituent
Priority Pollutant List Semi-Volatile Organic Constituents + 25 cont'd (PPL SVOCs)	2-NITROPHENOL
	4-NITROPHENOL
	2,2'-OXYBIS(1-CHLORO)PROPANE
	PENTACHLOROPHENOL
	PHENANTHRENE
	PHENOL
	PYRENE
	1,2,4-TRICHLOROBENZENE
	2,4,6-TRICHLOROPHENOL
	PHENOLICS, TOTAL RECOVERABLE
Priority Pollutant List Volatile Organic Constituents + 15 (PPL VOCs)	ACETONITRILE
	ACROLEIN
	ACRYLONITRILE
	BROMODICHLOROMETHANE
	BROMOMETHANE
	BENZENE
	TOLUENE
	2-CHLOROETHYL VINYL ETHER
	CHLOROBENZENE
	CHLOROETHANE
	CHLOROMETHANE
	CARBON TETRACHLORIDE
	DIBROMOCHLOROMETHANE
	1,1-DICHLOROETHANE
	1,2-DICHLOROETHANE
	1,1-DICHLOROETHENE
	trans-1,2-DICHLOROETHENE
	cis-1,2-DICHLOROPROPENE
	cis-1,3-DICHLOROPROPENE
	1,2-DICHLOROPROPANE
	ETHYLBENZENE
	METHYLENE CHLORIDE
	1,1,2,2-TETRACHLOROETHANE
	TETRACHLOROETHYLENE(PCE)
	SOLIDS, PERCENT
	BROMOFORM
	1,1,1-TRICHLOROETHANE
	1,1,2-TRICHLOROETHANE
	TRICHLOROETHYLENE (TCE)
	CHLOROFORM
	VINYL CHLORIDE

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3500 U**	0.3	940	4200
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3500 U**	100000	1000	21000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3500 U**	10000	660	660
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3500 UJ**	100000	660	2000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7100 U**	100000	2000	6000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7100 U**	100000	6000	24000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3500 U**	100000	660	660
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3500 U**	100000	660	660
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3500 U**	10000	660	3000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	E10-2097	SB-E10-2097-02	3/24/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3500 U**	50000	900	4000
A-LINE	E10-2097	SB-E10-2097-07	3/24/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
A-LINE	E10-2097	SB-E10-2097-07	3/24/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
A-LINE	E10-2097	SB-E10-2097-07	3/24/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
A-LINE	E10-2097	SB-E10-2097-07	3/24/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
A-LINE	E10-2097	SB-E10-2097-07	3/24/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	E10-2101	SB-E10-2101-05	3/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	E10-2101	SB-E10-2101-12	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2101	SB-E10-2101-12	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2101	SB-E10-2101-12	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2101	SB-E10-2101-12	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	E10-2101C	SB-E10-2101C-01	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2101C	SB-E10-2101C-01	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2101C	SB-E10-2101C-01	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2101C	SB-E10-2101C-01	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2101C	SB-E10-2101C-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	E10-2101C	SB-E10-2101C-05	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2101C	SB-E10-2101C-05	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2101C	SB-E10-2101C-05	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2101C	SB-E10-2101C-05	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2101C	SB-E10-2101C-05	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7700 U**	100000	6000	24000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 UJ**	100000	2000	6000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2159	SB-E10-2159-02	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
A-LINE	E10-2159	SB-E10-2159-05	3/24/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2159	SB-E10-2159-05	3/24/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2159	SB-E10-2159-05	3/24/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2159	SB-E10-2159-05	3/24/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2159	SB-E10-2159-05	3/24/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	E10-2160	SB-E10-2160-03	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	E10-2160	SB-E10-2160-05	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	E10-2160	SB-E10-2160-05	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 UJ**	100000	660	2000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7600 U**	100000	6000	24000
A-LINE	E10-2288	SB-E10-2288-03	3/24/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 UJ**	100000	660	2000
A-LINE	E10-2288	SB-E10-2288-05	3/24/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
A-LINE	E10-606	SB-E10-606-02	3/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-606	SB-E10-606-02	3/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-606	SB-E10-606-02	3/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-606	SB-E10-606-02	3/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-606	SB-E10-606-02	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	E10-615	SB-E10-615-04	3/23/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-615	SB-E10-615-04	3/23/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-615	SB-E10-615-04	3/23/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	E10-A1	SB-E10-A1-02	3/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	E9-2	SB-E9-2-01	6/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-2	SB-E9-2-01	6/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2	SB-E9-2-01	6/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2	SB-E9-2-01	6/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2	SB-E9-2-01	6/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7300 UJ**	100000	2000	6000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7300 U**	100000	6000	24000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2	SB-E9-2-03	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	E9-2161	SB-E9-2161-04	3/17/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2400 U**	40	21000	95000
A-LINE	E9-2161	SB-E9-2161-04	3/17/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**2400 U**	20	7800	100000
A-LINE	E9-2161	SB-E9-2161-04	3/17/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**2400 U**	40	4700	61000
A-LINE	E9-2161	SB-E9-2161-04	3/17/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	E9-2296	SB-E9-2296-04	3/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-04	3/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296	SB-E9-2296-04	3/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296	SB-E9-2296-04	3/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.1 U**	NA	2	2
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7300 U**	100000	6000	24000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7300 U**	100000	2000	6000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-05	3/21/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	E9-2296	SB-E9-2296-06	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-07	3/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296	SB-E9-2296-07	3/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2296	SB-E9-2296-07	3/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296	SB-E9-2296-07	3/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-2296	SB-E9-2296-07	3/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	E9-2296A	SB-E9-2296A-01	3/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	E9-2296A	SB-E9-2296A-01	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1048 UJ**	1000	49000	210000
A-LINE	E9-2296B	SB-E9-2296B-03	3/21/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	E9-2296B	SB-E9-2296B-03	3/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	E9-2296B	SB-E9-2296B-04	6/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**357 U**	0.3	940	4200
A-LINE	E9-2296C	SB-E9-2296C-01	3/31/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2296C	SB-E9-2296C-01	3/31/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-2296C	SB-E9-2296C-01	3/31/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296C	SB-E9-2296C-01	3/31/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3880 U**	100000	1000	21000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3880 U**	500000	900	4000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7770 U**	100000	6000	24000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3880 U**	10000	660	660
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3880 U**	500000	900	4000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3880 U**	100000	660	2000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7770 U**	100000	2000	6000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3880 U**	100000	660	660
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3880 U**	500000	900	4000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3880 U**	100000	660	660
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3880 U**	0.3	940	4200
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3880 U**	10000	660	3000
A-LINE	E9-2296C	SB-E9-2296C-01	6/16/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3880 U**	50000	900	4000
A-LINE	E9-2296C	SB-E9-2296C-01	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1275 UJ**	1000	49000	210000
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
A-LINE	E9-2296D	SB-E9-2296D-01	3/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
A-LINE	E9-2296D	SB-E9-2296D-03	6/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238.1 U**	0.3	940	4200
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3528 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3528 U**	100000	660	660
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3528 U**	10000	660	3000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7056 U**	100000	6000	24000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3528 U**	10000	660	660
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3528 U**	500000	900	4000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3528 U**	500000	900	4000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3528 U**	100000	1000	21000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7056 U**	100000	2000	6000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3528 U**	100000	660	660
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3528 U**	500000	900	4000
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3528 U**	50000	900	4000
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	E9-556	SB-E9-556-04	3/17/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	E9-558B	SB-E9-558B-03	3/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-558B	SB-E9-558B-03	3/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-558B	SB-E9-558B-03	3/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-558B	SB-E9-558B-03	3/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-558B	SB-E9-558B-03	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	E9-560	SB-E9-560-03	3/17/2000	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	E9-562	SB-E9-562-01	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	E9-562	SB-E9-562-01	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-562	SB-E9-562-01	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-562	SB-E9-562-01	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-562	SB-E9-562-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	E9-6	SB-E9-6-01	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	E9-6	SB-E9-6-03	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	E9-6	SB-E9-6-04	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	E9-610	SB-E9-610-04	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
A-LINE	E9-610	SB-E9-610-04	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
A-LINE	E9-610	SB-E9-610-04	3/17/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
A-LINE	E9-610	SB-E9-610-04	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	E9-A7	SB-E9-A7-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F10-11	SB-F10-11-01	3/24/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-11	SB-F10-11-01	3/24/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-11	SB-F10-11-01	3/24/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-11	SB-F10-11-01	3/24/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-06	3/21/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 U**	100000	6000	24000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7700 U**	100000	6000	24000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 U**	100000	2000	6000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
A-LINE	F10-2096	SB-F10-2096-07	3/21/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7600 U**	100000	6000	24000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
A-LINE	F10-2096	SB-F10-2096-08	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
A-LINE	F10-2145	SB-F10-2145-01	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2145	SB-F10-2145-01	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2145	SB-F10-2145-01	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2145	SB-F10-2145-04	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
A-LINE	F10-2162	SB-F10-2162-02	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5165 U**	1000	1000	5000
A-LINE	F10-2162	SB-F10-2162-04	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
A-LINE	F10-2222	SB-F10-2222-01	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
A-LINE	F10-2222	SB-F10-2222-02	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
A-LINE	F10-2289	SB-F10-2289-01	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2289	SB-F10-2289-01	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2289	SB-F10-2289-01	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2289	SB-F10-2289-01	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2289	SB-F10-2289-01	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F10-2323	SB-F10-2323-02	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2323	SB-F10-2323-02	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2323	SB-F10-2323-02	3/17/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2323	SB-F10-2323-02	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.6 U**	NA	2	2
A-LINE	F10-2323	SB-F10-2323-02	3/17/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F10-2323	SB-F10-2323-05	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3400 U**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3400 U**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**6800 U**	100000	2000	6000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3400 U**	50000	900	4000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3400 U**	10000	660	3000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3400 U**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3400 U**	100000	660	2000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3400 U**	10000	660	660
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3400 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3400 U**	500000	900	4000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3400 U**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3400 U**	100000	1000	21000
A-LINE	F10-2356	SB-F10-2356-04	3/23/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**6800 U**	100000	6000	24000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3500 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7100 U**	100000	6000	24000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3500 U**	100000	1000	21000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3500 U**	100000	660	2000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3500 UJ**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3500 UJ**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3500 UJ**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3500 UJ**	50000	900	4000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3500 UJ**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3500 U**	10000	660	3000
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3500 U**	10000	660	660
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7100 U**	100000	2000	6000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3500 U**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7100 U**	100000	2000	6000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3500 U**	100000	1000	21000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3500 U**	0.3	940	4200
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3500 U**	50000	900	4000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3500 U**	100000	660	660
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3500 U**	10000	660	3000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7000 U**	100000	6000	24000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3500 U**	10000	660	660
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3500 U**	100000	660	2000
A-LINE	F10-2356	SB-F10-2356-07	3/23/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3500 U**	500000	900	4000
A-LINE	F10-3	SB-F10-3-01	6/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**474 U**	0.3	940	4200
A-LINE	F10-3	SB-F10-3-01	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**4139 UJ**	1000	49000	210000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4690 U**	100000	660	2000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4690 U**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4690 U**	500000	900	4000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4690 U**	100000	660	660
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4690 U**	10000	660	660
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9370 U**	100000	6000	24000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4690 U**	500000	900	4000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4690 U**	10000	660	3000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9370 U**	100000	2000	6000
A-LINE	F10-3	SB-F10-3-07	6/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4690 U**	0.3	940	4200
A-LINE	F10-3	SB-F10-3-07	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**4657 UJ**	1000	49000	210000
A-LINE	F10-3	SB-F10-3-07	3/31/2000	0.5 - 1.0 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1238 UJ**	1000	2000	4000
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F10-460	SB-F10-460-01	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	F10-462	SB-F10-462-01	3/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.9 U**	NA	2	2
A-LINE	F10-464	SB-F10-464-01	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**3.2 U**	NA	2	2
A-LINE	F10-464	SB-F10-464-05	3/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**540 U**	0.3	940	4200
A-LINE	F10-5	SB-F10-5-01	6/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-5	SB-F10-5-01	6/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-5	SB-F10-5-01	6/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-5	SB-F10-5-01	6/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-5	SB-F10-5-01	3/31/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
A-LINE	F10-5	SB-F10-5-01	3/31/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
A-LINE	F10-5	SB-F10-5-01	3/31/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
A-LINE	F10-5	SB-F10-5-01	3/31/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
A-LINE	F10-5	SB-F10-5-01	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1661 UJ**	1000	49000	210000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-7	SB-F10-7-03	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F10-8	SB-F10-8-01	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F10-8	SB-F10-8-04	6/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**364 U**	0.3	940	4200
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.6 U**	NA	2	2
A-LINE	F10-8237	SB-F10-8237-04	3/17/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F10-8237	SB-F10-8237-05	3/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	F10-8274	SB-F10-8274-02	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
A-LINE	F10-8274	SB-F10-8274-04	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F10-8274	SB-F10-8274-04	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F10-8274	SB-F10-8274-04	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	F10-8274	SB-F10-8274-04	3/17/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F10-8274	SB-F10-8274-04	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F10-8564	SB-F10-8564-01	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	F10-8569	SB-F10-8569-03	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F10-8569	SB-F10-8569-03	3/17/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 U**	0.3	940	4200
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 U**	100000	2000	6000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 UJ**	100000	660	2000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-01	3/24/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8100 UJ**	100000	6000	24000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8100 U**	100000	6000	24000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 UJ**	100000	2000	6000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
A-LINE	F11-2016	SB-F11-2016-06	3/24/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
A-LINE	F11-2016	SB-F11-2016-07	3/24/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F11-2016	SB-F11-2016-07	3/24/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F11-2016	SB-F11-2016-07	3/24/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F11-2016	SB-F11-2016-07	3/24/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	F8-1	SB-F8-1-02	3/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F8-1	SB-F8-1-02	3/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F8-1	SB-F8-1-02	3/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F8-1	SB-F8-1-02	3/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	F8-1	SB-F8-1-02	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	F8-2	SB-F8-2-01	3/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2	SB-F8-2-01	3/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2	SB-F8-2-01	3/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2	SB-F8-2-01	3/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2	SB-F8-2-01	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
A-LINE	F8-2107	SB-F8-2107-01	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
A-LINE	F8-2107	SB-F8-2107-01	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
A-LINE	F8-2107	SB-F8-2107-02	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2107	SB-F8-2107-02	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2107	SB-F8-2107-02	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2107	SB-F8-2107-02	3/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F8-2107	SB-F8-2107-02	3/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7400 U**	100000	2000	6000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7400 U**	100000	6000	24000
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
A-LINE	F8-2116	SB-F8-2116-03	3/16/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2116	SB-F8-2116-03	3/16/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2116	SB-F8-2116-07	3/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F8-2116	SB-F8-2116-07	3/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F8-2116	SB-F8-2116-07	3/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F8-2116	SB-F8-2116-09	3/16/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F8-2116	SB-F8-2116-10	3/16/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F8-2116	SB-F8-2116-10	3/16/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	F8-2117	SB-F8-2117-07	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F8-2117	SB-F8-2117-08	3/24/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2117	SB-F8-2117-08	3/24/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2117	SB-F8-2117-08	3/24/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2118	SB-F8-2118-02	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F8-2118	SB-F8-2118-02	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F8-2118	SB-F8-2118-10	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
A-LINE	F8-2118	SB-F8-2118-10	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
A-LINE	F8-2118	SB-F8-2118-10	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8400 U**	100000	6000	24000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4200 U**	50000	900	4000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4200 U**	10000	660	3000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4200 U**	0.3	940	4200
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4200 U**	500000	900	4000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4200 U**	10000	660	660
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4200 U**	100000	660	660
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4200 U**	500000	900	4000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4200 U**	100000	660	660
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8400 U**	100000	2000	6000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4200 U**	100000	1000	21000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4200 U**	100000	660	2000
A-LINE	F8-2144	SB-F8-2144-03	3/21/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4200 U**	500000	900	4000
A-LINE	F8-2144	SB-F8-2144-04	3/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
A-LINE	F8-2144	SB-F8-2144-04	3/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
A-LINE	F8-2144	SB-F8-2144-04	3/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
A-LINE	F8-2144	SB-F8-2144-06	3/21/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F8-2144	SB-F8-2144-06	3/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	F8-2150	SB-F8-2150-02	3/16/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F8-2150	SB-F8-2150-02	3/16/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F8-2150	SB-F8-2150-05	3/16/2000	0 - 0.75 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F8-2150	SB-F8-2150-05	3/16/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
A-LINE	F8-2151	SB-F8-2151-01	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	F8-2151	SB-F8-2151-06	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	F8-2207	SB-F8-2207-01	3/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2207	SB-F8-2207-01	3/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2207	SB-F8-2207-01	3/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2207	SB-F8-2207-01	3/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2207	SB-F8-2207-01	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	F8-2207	SB-F8-2207-03	3/23/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2207	SB-F8-2207-03	3/23/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2207	SB-F8-2207-03	3/23/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2207	SB-F8-2207-03	3/23/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2207	SB-F8-2207-03	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F8-2208	SB-F8-2208-01	3/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2208	SB-F8-2208-01	3/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2208	SB-F8-2208-01	3/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2208	SB-F8-2208-01	3/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2208	SB-F8-2208-01	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	F8-2208	SB-F8-2208-03	3/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-2208	SB-F8-2208-03	3/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-2208	SB-F8-2208-03	3/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-2208	SB-F8-2208-03	3/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-2208	SB-F8-2208-03	3/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	F8-3	SB-F8-3-01	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F8-4	SB-F8-4-02	3/23/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-4	SB-F8-4-02	3/23/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-4	SB-F8-4-02	3/23/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-4	SB-F8-4-02	3/23/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-4	SB-F8-4-02	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F8-567	SB-F8-567-05	3/16/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
A-LINE	F8-573	SB-F8-573-02	7/14/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1420 U**	1000	49000	210000
A-LINE	F8-575	SB-F8-575-02	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-575	SB-F8-575-02	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-575	SB-F8-575-02	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-575	SB-F8-575-02	12/17/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F8-575	SB-F8-575-04	4/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-575	SB-F8-575-04	4/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-575	SB-F8-575-04	4/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-9	SB-F8-9-02	3/23/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
A-LINE	F8-9	SB-F8-9-02	3/23/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
A-LINE	F8-9	SB-F8-9-02	3/23/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
A-LINE	F8-9	SB-F8-9-02	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.1 U**	NA	2	2
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7500 U**	100000	6000	24000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7500 U**	100000	2000	6000
A-LINE	F8-A5	SB-F8-A5-03	3/21/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F8-A9	SB-F8-A9-02	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F9-1	SB-F9-1-01	6/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
A-LINE	F9-1	SB-F9-1-01	6/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
A-LINE	F9-1	SB-F9-1-01	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5296 U**	1000	1000	5000
A-LINE	F9-1	SB-F9-1-04	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
A-LINE	F9-1	SB-F9-1-04	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
A-LINE	F9-1	SB-F9-1-04	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
A-LINE	F9-1	SB-F9-1-04	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
A-LINE	F9-16	SB-F9-16-04	12/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F9-16	SB-F9-16-04	12/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-16	SB-F9-16-04	12/21/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	F9-16	SB-F9-16-05	12/21/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F9-16	SB-F9-16-05	12/21/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-16	SB-F9-16-05	12/21/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-16	SB-F9-16-05	12/21/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-16	SB-F9-16-05	12/21/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
A-LINE	F9-2104	SB-F9-2104-03	3/23/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F9-2104	SB-F9-2104-03	3/23/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F9-2104	SB-F9-2104-03	3/23/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	F9-2105	SB-F9-2105-01	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-2105	SB-F9-2105-01	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-2105	SB-F9-2105-01	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F9-2105	SB-F9-2105-05	3/17/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
A-LINE	F9-2105	SB-F9-2105-05	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
A-LINE	F9-2105	SB-F9-2105-05	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
A-LINE	F9-2105	SB-F9-2105-05	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F9-2105	SB-F9-2105-05	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7500 U**	100000	2000	6000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 UJ**	100000	660	660
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 UJ**	500000	900	4000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7500 U**	100000	6000	24000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
A-LINE	F9-2105A	SB-F9-2105A-04	4/18/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
A-LINE	F9-2105B	SB-F9-2105B-01	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	F9-2105B	SB-F9-2105B-01	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	F9-2105B	SB-F9-2105B-01	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	F9-2105B	SB-F9-2105B-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 UJ**	100000	660	660
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 UJ**	500000	900	4000
A-LINE	F9-2106	SB-F9-2106-04	3/21/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 UJ**	10000	660	660
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3827 U**	0.3	940	4200
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7467 U**	100000	2000	6000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3827 U**	100000	1000	21000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3827 U**	10000	660	3000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3827 U**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3827 U**	100000	660	660
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3827 U**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3827 U**	10000	660	660
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7467 U**	100000	6000	24000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3827 U**	50000	900	4000
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3827 U**	100000	660	660
A-LINE	F9-2109	SB-F9-2109-01	7/12/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3827 U**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3603 UJ**	10000	660	660
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3603 UJ**	10000	660	3000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7205 UJ**	100000	6000	24000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3603 UJ**	100000	1000	21000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7205 UJ**	100000	2000	6000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3603 UJ**	100000	660	660
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3603 UJ**	50000	900	4000
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3603 UJ**	100000	660	660
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217.4 U**	20	7800	100000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217.4 U**	40	4700	61000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7206 U**	100000	2000	6000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7206 U**	100000	6000	24000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3603 U**	10000	660	660
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3603 U**	100000	1000	21000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3603 UJ**	100000	660	660
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3603 UJ**	500000	900	4000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3603 UJ**	100000	660	660

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3603 U**	10000	660	3000
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3603 UJ**	50000	900	4000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-2109C	SB-F9-2109C-01	3/21/2000	0 - 0.75 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F9-2109C	SB-F9-2109C-05	3/21/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F9-2109D	SB-F9-2109D-02	12/21/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 UJ**	0.3	940	4200
A-LINE	F9-2251	SB-F9-2251-03	3/24/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	F9-2276	SB-F9-2276-03	3/16/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F9-2276	SB-F9-2276-03	3/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	F9-2279	SB-F9-2279-02	3/16/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F9-2279	SB-F9-2279-02	3/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	F9-4	SB-F9-4-01	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F9-5	SB-F9-5-03	12/21/1999	0 - 1.3 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-5	SB-F9-5-03	12/21/1999	0 - 1.3 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-558A	SB-F9-558A-01	3/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F9-558A	SB-F9-558A-01	3/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-558A	SB-F9-558A-01	3/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-558A	SB-F9-558A-01	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-558A	SB-F9-558A-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	F9-563	SB-F9-563-01	3/16/2000	0 - 0.67 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F9-563	SB-F9-563-01	3/16/2000	0 - 0.67 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F9-611	SB-F9-611-02	3/16/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
A-LINE	F9-7	SB-F9-7-03	12/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-7	SB-F9-7-03	12/21/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-7	SB-F9-7-03	12/21/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F9-7	SB-F9-7-03	12/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-7	SB-F9-7-03	12/21/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
A-LINE	F9-8	SB-F9-8-02	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-8	SB-F9-8-02	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-8	SB-F9-8-02	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-8	SB-F9-8-02	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
A-LINE	F9-8	SB-F9-8-05	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-8	SB-F9-8-05	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-8	SB-F9-8-05	3/17/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F9-8	SB-F9-8-05	3/17/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-8	SB-F9-8-05	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.6 U**	NA	2	2
A-LINE	F9-8188	SB-F9-8188-01	12/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-8188	SB-F9-8188-01	12/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-8188	SB-F9-8188-01	12/21/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
A-LINE	F9-9	SB-F9-9-01	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-9	SB-F9-9-01	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-9	SB-F9-9-01	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-9	SB-F9-9-01	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	F9-9	SB-F9-9-05	3/17/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-9	SB-F9-9-05	3/17/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-9	SB-F9-9-05	3/17/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-9	SB-F9-9-05	3/17/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.6 U**	NA	2	2
A-LINE	F9-9	SB-F9-9-05	3/17/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.1 U**	NA	2	2
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
A-LINE	F9-A10	SB-F9-A10-03	3/21/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
A-LINE	F9-A3	SB-F9-A3-02	3/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
A-LINE	F9-A5	SB-F9-A5-01	3/23/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	F9-A6	SB-F9-A6-01	3/17/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-A6	SB-F9-A6-01	3/17/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-A6	SB-F9-A6-01	3/17/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
A-LINE	G7-1	SB-G7-1-01	12/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G7-1	SB-G7-1-01	12/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-1	SB-G7-1-01	12/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	G7-1	SB-G7-1-01	12/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G7-2	SB-G7-2-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G7-2	SB-G7-2-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2	SB-G7-2-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2	SB-G7-2-01	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G7-2	SB-G7-2-01	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 UJ**	0.3	940	4200
A-LINE	G7-2	SB-G7-2-04	12/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G7-2	SB-G7-2-04	12/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G7-2	SB-G7-2-04	12/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2	SB-G7-2-04	12/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2	SB-G7-2-04	12/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
A-LINE	G7-2115	SB-G7-2115-04	12/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2115	SB-G7-2115-04	12/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2115	SB-G7-2115-04	12/21/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
A-LINE	G7-2115	SB-G7-2115-06	12/21/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2115	SB-G7-2115-06	12/21/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2115	SB-G7-2115-07	12/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2115	SB-G7-2115-07	12/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2149	SB-G7-2149-04	12/21/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 UJ**	0.3	940	4200
A-LINE	G7-2164	SB-G7-2164-01	12/21/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G7-2164	SB-G7-2164-01	12/21/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2164	SB-G7-2164-01	12/21/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2164	SB-G7-2164-07	12/21/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G7-2164	SB-G7-2164-07	12/21/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G7-2164	SB-G7-2164-07	12/21/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-2164	SB-G7-2164-07	12/21/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G7-58	SB-G7-58-01	9/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
A-LINE	G7-58	SB-G7-58-01	9/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
A-LINE	G7-58	SB-G7-58-01	9/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
A-LINE	G7-58	SB-G7-58-01	9/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
A-LINE	G7-58	SB-G7-58-04	7/13/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G7-58	SB-G7-58-04	7/13/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G7-58	SB-G7-58-04	7/13/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2114	SB-G8-2114-03	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	G8-2114	SB-G8-2114-03	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	G8-2114	SB-G8-2114-03	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	G8-2114	SB-G8-2114-03	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	G8-2114	SB-G8-2114-06	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2114	SB-G8-2114-06	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2114	SB-G8-2114-06	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2114	SB-G8-2114-06	12/17/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**6.1 U**	NA	2	2
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
A-LINE	G8-2204	SB-G8-2204-03	6/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G8-2204	SB-G8-2204-03	6/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2204	SB-G8-2204-03	6/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2204	SB-G8-2204-03	6/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2204	SB-G8-2204-03	6/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**384 U**	0.3	940	4200
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
A-LINE	G8-2209	SB-G8-2209-01	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
A-LINE	G8-2209	SB-G8-2209-05	3/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	G8-2210	SB-G8-2210-02	12/17/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2210	SB-G8-2210-02	12/17/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2210	SB-G8-2210-02	12/17/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2249	SB-G8-2249-01	6/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**244 U**	40	4700	61000
A-LINE	G8-2249	SB-G8-2249-01	6/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**244 U**	40	21000	95000
A-LINE	G8-2249	SB-G8-2249-01	6/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**244 U**	0.3	940	4200
A-LINE	G8-2249	SB-G8-2249-01	6/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**244 U**	20	7800	100000
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
A-LINE	G8-2249	SB-G8-2249-01	6/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
A-LINE	G8-3	SB-G8-3-02	7/14/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 U**	0.3	940	4200
A-LINE	G8-3	SB-G8-3-02	7/14/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1780 U**	1000	49000	210000
A-LINE	G8-C3	SB-G8-C3-02	12/17/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
A-LINE	G8-F7	SB-G8-F7-01	12/17/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G8-F7	SB-G8-F7-01	12/17/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	G8-F7	SB-G8-F7-01	12/17/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G8-F7	SB-G8-F7-01	12/17/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G9-2108	SB-G9-2108-02	12/21/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 UJ**	0.3	940	4200
A-LINE	G9-2123	SB-G9-2123-01	12/17/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
A-LINE	G9-2123	SB-G9-2123-05	12/17/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
A-LINE	G9-3	SB-G9-3-03	12/17/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1060 UJ**	1000	79000	1000000
A-LINE	G9-7	SB-G9-7-05	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	G9-7	SB-G9-7-05	3/24/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	G9-7	SB-G9-7-05	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	G9-7	SB-G9-7-11	3/24/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
A-LINE	G9-7	SB-G9-7-11	3/24/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
A-LINE	G9-7	SB-G9-7-11	3/24/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
A-LINE	G9-7	SB-G9-7-11	3/24/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
A-LINE	G9-7	SB-G9-7-11	3/24/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
A-LINE	G9-9322	SB-G9-9322-04	4/7/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238.1 U**	40	21000	95000
A-LINE	G9-9322	SB-G9-9322-04	4/7/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
A-LINE	G9-9322	SB-G9-9322-04	4/7/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**185 U**	20	7800	100000
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**185 U**	40	4700	61000
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**185 U**	40	21000	95000
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**185 U**	0.3	940	4200
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 4.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1430 U**	1000	79000	1000000
A-LINE	E9-2296	TP-E9-2296-09	8/10/2000	7.5 - 9.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	E9-2296	TP-E9-2296-09	8/10/2000	7.5 - 9.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	E9-2296	TP-E9-2296-09	8/10/2000	7.5 - 9.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	E9-2296	TP-E9-2296-09	8/10/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
A-LINE	F10-21	TP-F10-21-01	7/25/2000	4.5 - 6.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-21	TP-F10-21-01	7/25/2000	4.5 - 6.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-21	TP-F10-21-01	7/25/2000	4.5 - 6.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-21	TP-F10-21-01	7/25/2000	4.5 - 6.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-21	TP-F10-21-01	7/25/2000	4.5 - 6.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200
A-LINE	F10-2356	TP-F10-2356-12	8/3/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F10-2356	TP-F10-2356-12	8/3/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F10-2356	TP-F10-2356-12	8/3/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-2356	TP-F10-2356-12	8/3/2000	3.5 - 5.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F10-2356	TP-F10-2356-12	8/3/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
A-LINE	F10-8237A	TP-F10-8237A-01	8/3/2000	1.5 - 3.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
A-LINE	F10-8237A	TP-F10-8237A-01	8/3/2000	1.5 - 2.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5630 U**	1000	1000	5000
A-LINE	F10-8237A	TP-F10-8237A-01	8/3/2000	1.5 - 2.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1130 U**	1000	79000	1000000
A-LINE	F10-8237A	TP-F10-8237A-01	8/3/2000	1.5 - 2.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1970 U**	1000	49000	210000
A-LINE	F10-PA8	TP-F10-PA8	7/25/2000	5.5 - 7.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F10-PA8	TP-F10-PA8	7/25/2000	5.5 - 7.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
A-LINE	F10-PA8	TP-F10-PA8	7/25/2000	5.5 - 7.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-8562A	TP-F8-8562A-01	8/1/2000	4 - 6 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	F8-8562A	TP-F8-8562A-01	8/1/2000	4 - 6 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	F8-8562A	TP-F8-8562A-01	8/1/2000	4 - 6 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	F8-8562A	TP-F8-8562A-01	8/1/2000	4 - 6 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	F8-8562A	TP-F8-8562A-01	8/1/2000	4 - 6 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 7.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 7.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 7.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 7.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 7.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**349 U**	0.3	940	4200
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 6.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5840 U**	1000	1000	5000
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 6.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1170 U**	1000	79000	1000000
A-LINE	F8-PA1/PA2	TP-F8-PA1/PA2-01	8/1/2000	5.5 - 6.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2060 U**	1000	49000	210000
A-LINE	F9-2105	TP-F9-2105-07	8/1/2000	4 - 6 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-2105	TP-F9-2105-07	8/1/2000	4 - 6 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-2105	TP-F9-2105-07	8/1/2000	4 - 6 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
A-LINE	F9-2109	TP-F9-2109-09	8/1/2000	3 - 5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
A-LINE	F9-2109	TP-F9-2109-09	8/1/2000	3 - 5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
A-LINE	F9-2109	TP-F9-2109-09	8/1/2000	3 - 5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
A-LINE	F9-2109	TP-F9-2109-09	8/1/2000	3 - 5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
A-LINE	F9-2109	TP-F9-2109-09	8/1/2000	3 - 5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
A-LINE	F9-PA4	TP-F9-PA4-01	8/1/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
A-LINE	F9-PA4	TP-F9-PA4-01	8/1/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
A-LINE	F9-PA5	TP-F9-PA5-01	8/1/2000	5.5 - 7.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	F9-PA5	TP-F9-PA5-01	8/1/2000	5.5 - 7.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	F9-PA5	TP-F9-PA5-01	8/1/2000	5.5 - 7.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	F9-PA5	TP-F9-PA5-01	8/1/2000	5.5 - 7.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	F9-PA5	TP-F9-PA5-01	8/1/2000	5.5 - 7.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
A-LINE	F9-PA6	TP-F9-PA6-01	8/1/2000	5 - 7 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
A-LINE	F9-PA6	TP-F9-PA6-01	8/1/2000	5 - 7 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
A-LINE	F9-PA6	TP-F9-PA6-01	8/1/2000	5 - 7 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
A-LINE	F9-PA6	TP-F9-PA6-01	8/1/2000	5 - 7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**385 U**	0.3	940	4200
A-LINE	G8-8562	TP-G8-8562-01	8/1/2000	6.5 - 8.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
A-LINE	G8-8562	TP-G8-8562-01	8/1/2000	6.5 - 8.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
A-LINE	G8-8562	TP-G8-8562-01	8/1/2000	6.5 - 8.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
A-LINE	G8-8562	TP-G8-8562-01	8/1/2000	6.5 - 8.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
A-LINE	G8-8562	TP-G8-8562-01	8/1/2000	6.5 - 8.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**371 U**	0.3	940	4200
AN	G13-1	SB-G13-1-03	6/1/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**395 U**	0.3	940	4200
AN	G13-1	SB-G13-1-04	9/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
AN	H12-1	SB-H12-1-02	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	H12-1	SB-H12-1-02	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	H12-1	SB-H12-1-02	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
AN	H12-1	SB-H12-1-02	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
AN	H12-1	SB-H12-1-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
AN	H12-1	SB-H12-1-06	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
AN	H12-1	SB-H12-1-06	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	H12-1	SB-H12-1-06	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	H12-1	SB-H12-1-06	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
AN	H12-1	SB-H12-1-06	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
AN	H12-1	SB-H12-1-07	5/25/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	H12-1	SB-H12-1-07	5/25/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	H12-1	SB-H12-1-07	5/25/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
AN	H12-1	SB-H12-1-07	5/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**786 U**	10000	660	3000
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**786 U**	10000	660	660
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**786 U**	100000	660	2000
AN	H13-2031A	SB-H13-2031A-02	5/25/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
AN	H13-6	SB-H13-6-01	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
AN	H13-6	SB-H13-6-04	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
AN	H13-8158	SB-H13-8158-04	5/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
AN	H13-8164	SB-H13-8164-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
AN	H13-8164	SB-H13-8164-05	5/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
AN	H13-8226	SB-H13-8226-02	6/1/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
AN	H13-8226	SB-H13-8226-02	6/1/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	H13-8226	SB-H13-8226-02	6/1/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	H13-8226	SB-H13-8226-02	6/1/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
AN	H13-8226	SB-H13-8226-02	6/1/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 U**	0.3	940	4200
AN	I11-2326	SB-I11-2326-01	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**363 U**	0.3	940	4200
AN	I11-2326	SB-I11-2326-04	6/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**374 U**	0.3	940	4200
AN	I11-9303	SB-I11-9303-02	6/1/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	I11-9303	SB-I11-9303-02	6/1/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	I11-9303	SB-I11-9303-02	6/1/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
AN	I11-B5	SB-I11-B5-04	6/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**428 U**	0.3	940	4200
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**1870 UJ**	10000	660	660
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**1870 U**	0.3	940	4200
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**1870 U**	10000	660	3000
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**1870 U**	100000	660	2000
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**1870 U**	100000	660	660
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**1870 U**	100000	1000	21000
AN	I12-10	SB-I12-10-01	9/12/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**3730 U**	100000	2000	6000
AN	I12-10	SB-I12-10-03	6/1/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**401 U**	0.3	940	4200
AN	I12-1	SB-I12-1-02	9/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**413 U**	0.3	940	4200
AN	I12-1	SB-I12-1-04	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**436 U**	0.3	940	4200

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
AN	I12-11	SB-I12-11-02	9/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**344 U**	0.3	940	4200
AN	I12-11	SB-I12-11-06	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
AN	I12-11	SB-I12-11-08	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
AN	I12-11	SB-I12-11-09	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**355 U**	0.3	940	4200
AN	I12-11	SB-I12-11-11	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
AN	I12-11	SB-I12-11-13	5/31/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
AN	I12-12	SB-I12-12-01	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**353 U**	0.3	940	4200
AN	I12-12	SB-I12-12-01	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1250 UJ**	1000	79000	1000000
AN	I12-13	SB-I12-13-03	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
AN	I12-13	SB-I12-13-03	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1020 U**	1000	79000	1000000
AN	I12-14	SB-I12-14-01	6/2/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**10.9 U**	NA	2	2
AN	I12-14	SB-I12-14-01	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
AN	I12-15	SB-I12-15-01	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
AN	I12-15	SB-I12-15-04	5/31/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
AN	I12-2010	SB-I12-2010-05	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
AN	I12-2011	SB-I12-2011-01	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
AN	I12-2011	SB-I12-2011-04	9/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
AN	I12-2012	SB-I12-2012-02	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**362 U**	0.3	940	4200
AN	I12-2012	SB-I12-2012-03	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**352 U**	0.3	940	4200
AN	I12-2013	SB-I12-2013-01	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
AN	I12-2184	SB-I12-2184-01	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**355 U**	0.3	940	4200
AN	I12-2186	SB-I12-2186-03	6/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**351 U**	0.3	940	4200
AN	I12-2186	SB-I12-2186-13	6/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**389 U**	0.3	940	4200
AN	I12-2287	SB-I12-2287-01	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
AN	I12-2287	SB-I12-2287-04	9/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**351 U**	0.3	940	4200
AN	I12-7	SB-I12-7-02	5/26/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 UJ**	0.3	940	4200
AN	I12-7	SB-I12-7-04	5/26/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
AN	I12-7	SB-I12-7-04	5/26/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
AN	I12-7	SB-I12-7-04	5/26/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
AN	I12-7	SB-I12-7-04	5/26/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
AN	I12-8271	SB-I12-8271-01	9/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
AN	I12-8271	SB-I12-8271-02	6/1/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
AN	I12-8581	SB-I12-8581-01	9/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
AN	I12-8581	SB-I12-8581-01	9/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
AN	I12-8581	SB-I12-8581-01	9/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
AN	I12-8581	SB-I12-8581-01	9/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
AN	I12-8581	SB-I12-8581-01	9/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
AN	I12-8581	SB-I12-8581-01	9/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
AN	I12-8581	SB-I12-8581-04	6/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
AN	I12-8581	SB-I12-8581-04	6/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
AN	I12-8581	SB-I12-8581-04	6/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
AN	I12-8581	SB-I12-8581-04	6/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
AN	I12-8581	SB-I12-8581-04	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**345 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
AN	I12-8581	SB-I12-8581-04	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1040 U**	1000	79000	1000000
AN	I12-9110	SB-I12-9110-03	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
AN	I12-9110	SB-I12-9110-04	5/31/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**780 UJ**	100000	660	2000
AN	I12-9110	SB-I12-9110-04	5/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
AN	I12-9111	SB-I12-9111-01	9/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
AN	I12-9111	SB-I12-9111-01	9/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1050 U**	1000	79000	1000000
AN	I12-9111	SB-I12-9111-04	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
AN	I12-9111	SB-I12-9111-04	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1050 U**	1000	79000	1000000
AN	I12-9112	SB-I12-9112-03	9/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
AN	I12-9112	SB-I12-9112-04	6/2/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**5.44 U**	NA	2	2
AN	I12-9112	SB-I12-9112-04	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
AN	I12-9120	SB-I12-9120-02	7/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**349 U**	0.3	940	4200
AN	I12-9120	SB-I12-9120-03	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
AN	H13-8226	TP-H13-8226-06	8/9/2000	6 - 8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
AN	H13-8226	TP-H13-8226-06	8/9/2000	6 - 8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
AN	H13-8226	TP-H13-8226-06	8/9/2000	6 - 8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
AN	H13-8226	TP-H13-8226-06	8/9/2000	6 - 8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
AN	H13-8226	TP-H13-8226-06	8/9/2000	6 - 8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**396 U**	0.3	940	4200
AN	H13-8226	TP-H13-8226-06	8/3/2000	6 - 8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**363 U**	0.3	940	4200
AN	H13-8226	TP-H13-8226-06	8/3/2000	6 - 6.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1210 UJ**	1000	79000	1000000
AN	H13-8226	TP-H13-8226-06	8/3/2000	6 - 6.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6070 UJ**	1000	1000	5000
AN	H13-8226	TP-H13-8226-06	8/3/2000	6 - 6.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2140 UJ**	1000	49000	210000
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**413 U**	0.3	940	4200
AN	I11-3	TP-I11-3-01	8/17/2000	3 - 3.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1020 U**	1000	49000	210000
AN	I12-7	TP-I12-7-05	8/9/2000	6 - 8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
AN	I12-7	TP-I12-7-05	8/9/2000	6 - 8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
AN	I12-7	TP-I12-7-05	8/9/2000	6 - 8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
AN	I12-7	TP-I12-7-05	8/9/2000	6 - 8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
B-LINE	I11-1	SB-I11-1-03	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
B-LINE	I11-1	SB-I11-1-03	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	I11-1	SB-I11-1-03	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	I11-1	SB-I11-1-03	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**178 U**	20	7800	100000
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**178 U**	0.3	940	4200
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**178 U**	40	4700	61000
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**178 U**	40	21000	95000
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
B-LINE	I11-7	SB-I11-7-03	5/25/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	I11-7	SB-I11-7-03	5/25/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	I11-7	SB-I11-7-03	5/25/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	I11-7	SB-I11-7-03	5/25/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	I11-8260	SB-I11-8260-02	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	I11-8260	SB-I11-8260-02	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	I11-8260	SB-I11-8260-02	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4400 U**	10000	660	3000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4400 U**	500000	900	4000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4400 U**	100000	660	2000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4400 U**	100000	1000	21000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8900 U**	100000	2000	6000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4400 U**	500000	900	4000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4400 U**	0.3	940	4200
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8900 U**	100000	6000	24000
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4400 U**	100000	660	660
B-LINE	I11-8260	SB-I11-8260-02	5/25/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4400 U**	10000	660	660
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**425 U**	0.3	940	4200
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8660 U**	100000	2000	6000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4330 U**	10000	660	3000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4330 U**	100000	1000	21000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4330 U**	500000	900	4000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4330 U**	500000	900	4000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4330 U**	10000	660	660
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4330 U**	0.3	940	4200
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4330 U**	100000	660	660
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4330 U**	50000	900	4000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4330 U**	100000	660	2000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8660 U**	100000	6000	24000
B-LINE	I11-8504	SB-I11-8504-03	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1320 U**	1000	79000	1000000
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1070 U**	1000	79000	1000000
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**436 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1080 U**	1000	79000	1000000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**18000 U**	100000	6000	24000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**9000 U**	10000	660	660
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**9000 U**	100000	660	2000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**9000 U**	100000	660	660
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**9000 U**	500000	900	4000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**9000 U**	500000	900	4000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**9000 U**	100000	1000	21000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**9000 U**	100000	660	660
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**9000 U**	10000	660	3000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**9000 U**	50000	900	4000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**18000 U**	100000	2000	6000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**9000 U**	100000	6000	100000
B-LINE	I12-4	SB-I12-4-01	5/25/2000	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**18000 U**	10000	110000	2100000
B-LINE	I12-8101	SB-I12-8101-01	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	I12-8101	SB-I12-8101-01	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	I12-8101	SB-I12-8101-01	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	I12-8101	SB-I12-8101-01	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	I12-8101	SB-I12-8101-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	I12-8101	SB-I12-8101-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	I12-8101	SB-I12-8101-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	I12-8101	SB-I12-8101-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	I12-8101	SB-I12-8101-02	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
B-LINE	J10-2187	SB-J10-2187-01	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 U**	0.3	940	4200
B-LINE	J10-2187	SB-J10-2187-05	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	J10-6	SB-J10-6-01	7/19/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
B-LINE	J10-6	SB-J10-6-01	7/19/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
B-LINE	J10-6	SB-J10-6-01	7/19/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
B-LINE	J10-6	SB-J10-6-01	7/19/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
B-LINE	J10-6	SB-J10-6-01	5/25/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	J10-6	SB-J10-6-01	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1214 UJ**	1000	79000	1000000
B-LINE	J10-6	SB-J10-6-05	5/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
B-LINE	J10-6	SB-J10-6-05	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1059 UJ**	1000	79000	1000000
B-LINE	J10-609	SB-J10-609-01	8/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**462 U**	0.3	940	4200
B-LINE	J10-609	SB-J10-609-02	5/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	J10-8280	SB-J10-8280-01	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J10-8280	SB-J10-8280-01	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J10-8280	SB-J10-8280-01	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J10-8280	SB-J10-8280-01	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J10-8280	SB-J10-8280-01	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	J11-10	SB-J11-10-05	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-10	SB-J11-10-05	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-10	SB-J11-10-05	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	J11-1	SB-J11-1-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-1	SB-J11-1-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-1	SB-J11-1-01	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-1	SB-J11-1-01	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-01	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
B-LINE	J11-1	SB-J11-1-03	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**433 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-03	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1210 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-03	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5630 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-04	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**494 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-04	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1380 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-04	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6070 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-05	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**408 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-05	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6190 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-05	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1450 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-06	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**434 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-06	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6510 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-06	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1570 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 UJ**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-07	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
B-LINE	J11-1	SB-J11-1-08	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**423 UJ**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-08	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**4770 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-08	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1320 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-09	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-09	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5430 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-09	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1590 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-10	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**422 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-10	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1770 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-10	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5580 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-11	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**429 UJ**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-11	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1770 UJ**	1000	49000	210000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J11-1	SB-J11-1-11	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5080 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-12	8/1/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**421 UJ**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-12	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6580 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-12	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2190 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-13	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-13	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1880 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-13	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6070 UJ**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**520 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-14	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 UJ**	1000	79000	1000000
B-LINE	J11-1	SB-J11-1-15	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-15	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1460 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-15	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**4770 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-16	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**453 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-16	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1460 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-16	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**4880 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1200 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-17	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
B-LINE	J11-1	SB-J11-1-18	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**403 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-18	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1720 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-18	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5790 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-19	8/1/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-19	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6190 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-19	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1840 UJ**	1000	49000	210000
B-LINE	J11-1	SB-J11-1-20	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**428 U**	0.3	940	4200
B-LINE	J11-1	SB-J11-1-20	8/1/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5430 U**	1000	1000	5000
B-LINE	J11-1	SB-J11-1-20	8/1/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1660 UJ**	1000	49000	210000
B-LINE	J11-14	SB-J11-14-01	8/1/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-14	SB-J11-14-01	8/1/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-14	SB-J11-14-01	8/1/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-14	SB-J11-14-01	8/1/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-14	SB-J11-14-01	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 U**	0.3	940	4200
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7500 U**	100000	6000	24000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7500 U**	100000	2000	6000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8200 U**	100000	6000	24000
B-LINE	J11-2188	SB-J11-2188-03	5/23/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8200 U**	100000	2000	6000
B-LINE	J11-2188	SB-J11-2188-06	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-2188	SB-J11-2188-06	5/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-2188	SB-J11-2188-06	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-2188	SB-J11-2188-06	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-2188	SB-J11-2188-08	5/23/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	J11-2188	SB-J11-2188-08	5/23/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-2188	SB-J11-2188-08	5/23/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-2296	SB-J11-2296-02	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	J11-2296	SB-J11-2296-04	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-2296	SB-J11-2296-04	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-2296	SB-J11-2296-04	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 UJ**	50000	900	4000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7500 UJ**	100000	6000	24000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 UJ**	100000	660	2000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 UJ**	100000	1000	21000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7500 UJ**	100000	2000	6000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 UJ**	100000	660	660
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
B-LINE	J11-3	SB-J11-3-02	5/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	J11-317	SB-J11-317-01	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-317	SB-J11-317-01	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-317	SB-J11-317-01	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-317	SB-J11-317-05	5/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	J11-317	SB-J11-317-05	5/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-317	SB-J11-317-05	5/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-317	SB-J11-317-06	5/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-317	SB-J11-317-06	5/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-317	SB-J11-317-06	5/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-602A	SB-J11-602A-01	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-602A	SB-J11-602A-01	5/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-602A	SB-J11-602A-01	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-602A	SB-J11-602A-01	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	J11-7	SB-J11-7-01	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1106 UJ**	1000	79000	1000000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4600 U**	500000	900	4000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4600 U**	500000	900	4000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9300 U**	100000	6000	24000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4600 U**	100000	660	2000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4600 U**	100000	1000	21000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9300 U**	100000	2000	6000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4600 U**	100000	660	660

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4600 U**	0.3	940	4200
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4600 U**	50000	900	4000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4600 U**	100000	660	660
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4600 U**	10000	660	3000
B-LINE	J11-8265	SB-J11-8265-04	5/23/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4600 U**	10000	660	660
B-LINE	J11-8265A	SB-J11-8265A-03	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
B-LINE	J11-8265A	SB-J11-8265A-03	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
B-LINE	J11-8265A	SB-J11-8265A-03	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
B-LINE	J11-8265A	SB-J11-8265A-03	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
B-LINE	J11-8265A	SB-J11-8265A-03	5/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	J11-8265A	SB-J11-8265A-03	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1191 UJ**	1000	79000	1000000
B-LINE	J11-8265A	SB-J11-8265A-03	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6130 UJ**	1000	1000	5000
B-LINE	J11-8265A	SB-J11-8265A-03	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1230 UJ**	1000	79000	1000000
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	J11-B20	SB-J11-B20-02	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-B20	SB-J11-B20-02	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-B20	SB-J11-B20-02	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-B20	SB-J11-B20-02	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-B20	SB-J11-B20-02	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	J11-B25	SB-J11-B25-01	9/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J11-B25	SB-J11-B25-01	9/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-B25	SB-J11-B25-01	9/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-B25	SB-J11-B25-01	9/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-B25	SB-J11-B25-02	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-B25	SB-J11-B25-02	5/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-B25	SB-J11-B25-02	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	TCP246	2,4,6-TRICHLOROPHENOL	UG/KG	**15000 U**	10000	62000	270000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**31000 U**	100000	6000	24000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BIS2CIE	bis(2-CHLOROISOPROPYL) ETHER	UG/KG	**15000 U**	10000	2300000	10000000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**15000 UJ**	100000	660	660
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**15000 U**	0.3	940	4200
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**15000 U**	10000	660	3000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DCP24	2,4-DICHLOROPHENOL	UG/KG	**15000 U**	10000	170000	3100000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**15000 UJ**	500000	900	4000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**15000 U**	100000	1000	21000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**15000 U**	100000	6000	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**15000 U**	100000	660	2000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	CLPH2	2-CHLOROPHENOL	UG/KG	**15000 U**	10000	280000	5200000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**31000 U**	100000	2000	6000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**15000 U**	50000	900	4000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**15000 U**	500000	900	4000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**31000 U**	10000	110000	2100000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	CHRYSENE	CHRYSENE	UG/KG	**15000 U**	500000	9000	40000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	DMP24	2,4-DIMETHYLPHENOL	UG/KG	**15000 U**	10000	1100000	10000000
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**15000 U**	10000	660	660
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**15000 U**	100000	660	660
B-LINE	J11-B83	SB-J11-B83-01	5/18/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**15000 U**	500000	900	4000
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**443 U**	0.3	940	4200
B-LINE	J12-2	SB-J12-2-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	J12-2	SB-J12-2-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	J12-2	SB-J12-2-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	J12-2	SB-J12-2-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	J12-2	SB-J12-2-02	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
B-LINE	J12-2	SB-J12-2-03	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J12-2	SB-J12-2-03	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J12-2	SB-J12-2-03	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J12-2	SB-J12-2-03	5/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	J12-2	SB-J12-2-03	5/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
B-LINE	J12-3	SB-J12-3-02	5/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J12-3	SB-J12-3-02	5/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-1	SB-K10-1-01	5/16/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7160 U**	100000	6000	24000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3580 U**	10000	660	660
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3580 U**	500000	900	4000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3580 U**	500000	900	4000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3580 U**	100000	660	660
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3580 U**	10000	660	3000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3580 U**	100000	1000	21000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7160 U**	100000	2000	6000
B-LINE	K10-1	SB-K10-1-02	7/25/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3580 U**	100000	660	2000
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 UJ**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	K10-2	SB-K10-2-05	5/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2	SB-K10-2-05	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2	SB-K10-2-05	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2	SB-K10-2-05	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
B-LINE	K10-2090	SB-K10-2090-08	5/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2090	SB-K10-2090-08	5/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2197	SB-K10-2197-04	8/1/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2197	SB-K10-2197-04	8/1/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2197	SB-K10-2197-04	8/1/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2197	SB-K10-2197-04	8/1/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 UJ**	50000	900	4000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 UJ**	100000	660	660
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 UJ**	10000	660	3000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7500 UJ**	100000	6000	24000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 UJ**	10000	660	660
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 UJ**	100000	660	2000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 UJ**	100000	1000	21000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 UJ**	100000	660	660
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7500 UJ**	100000	2000	6000
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	K10-2197A	SB-K10-2197A-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2197A	SB-K10-2197A-01	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-2197A	SB-K10-2197A-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 UJ**	500000	900	4000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7400 U**	100000	6000	24000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7400 U**	100000	2000	6000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 UJ**	100000	660	660
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
B-LINE	K10-2197A	SB-K10-2197A-05	5/18/2000	0 - 1.25 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
B-LINE	K10-2266	SB-K10-2266-04	5/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-2266	SB-K10-2266-04	5/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-2266	SB-K10-2266-04	5/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-5	SB-K10-5-02	5/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
B-LINE	K10-5	SB-K10-5-04	5/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
B-LINE	K10-6	SB-K10-6-02	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	K10-6	SB-K10-6-02	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
B-LINE	K10-602B	SB-K10-602B-02	8/1/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	K10-602B	SB-K10-602B-02	8/1/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	K10-602B	SB-K10-602B-02	8/1/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	K10-602B	SB-K10-602B-02	8/1/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	K10-602B	SB-K10-602B-03	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K10-602B	SB-K10-602B-03	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K10-602B	SB-K10-602B-03	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K10-602B	SB-K10-602B-03	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K10-6	SB-K10-6-04	5/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	K10-6	SB-K10-6-04	5/18/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 U**	1000	79000	1000000
B-LINE	K10-6	SB-K10-6-04	5/18/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1500 UJ**	1000	49000	210000
B-LINE	K10-79A	SB-K10-79A-01	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	K10-79A	SB-K10-79A-03	8/1/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**439 U**	0.3	940	4200
B-LINE	K11-1	SB-K11-1-04	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-1	SB-K11-1-04	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-1	SB-K11-1-05	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K11-1	SB-K11-1-05	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-1	SB-K11-1-05	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K11-1	SB-K11-1-05	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-1	SB-K11-1-05	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	K11-2225B	SB-K11-2225B-02	5/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	K11-2225B	SB-K11-2225B-04	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	K11-2225B	SB-K11-2225B-04	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
B-LINE	K11-2225B	SB-K11-2225B-04	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	K11-2264	SB-K11-2264-03	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
B-LINE	K11-2300	SB-K11-2300-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	K11-2300	SB-K11-2300-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	K11-2300	SB-K11-2300-05	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-2300	SB-K11-2300-05	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-2300	SB-K11-2300-05	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K11-2301	SB-K11-2301-04	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	K11-2302	SB-K11-2302-03	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	K11-2302	SB-K11-2302-03	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	K11-2302	SB-K11-2302-03	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	K11-2302	SB-K11-2302-03	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4700 U**	500000	900	4000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4700 U**	500000	900	4000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4700 U**	100000	660	2000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4700 U**	10000	660	660
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4700 U**	100000	1000	21000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9400 U**	100000	2000	6000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9400 U**	100000	6000	24000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4700 U**	100000	660	660
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4700 U**	50000	900	4000
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4700 U**	0.3	940	4200
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4700 U**	10000	660	3000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7400 UJ**	100000	2000	6000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7400 U**	100000	6000	24000
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 UJ**	10000	660	3000
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
B-LINE	K11-598	SB-K11-598-03	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	K11-598	SB-K11-598-03	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
B-LINE	K11-598	SB-K11-598-03	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
B-LINE	K11-598	SB-K11-598-03	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
B-LINE	K11-598	SB-K11-598-03	5/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	K11-601	SB-K11-601-01	5/12/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
B-LINE	K11-601	SB-K11-601-01	5/12/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
B-LINE	K11-601	SB-K11-601-01	5/12/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
B-LINE	K11-604	SB-K11-604-02	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-604	SB-K11-604-02	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K11-604	SB-K11-604-02	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-604	SB-K11-604-02	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K11-604	SB-K11-604-02	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	K11-604	SB-K11-604-03	8/1/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K11-604	SB-K11-604-03	8/1/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-604	SB-K11-604-03	8/1/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-607	SB-K11-607-01	8/1/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	K11-607	SB-K11-607-01	8/1/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	K11-607	SB-K11-607-01	8/1/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	K11-607	SB-K11-607-01	8/1/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	K11-607	SB-K11-607-01	8/1/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**355 U**	0.3	940	4200
B-LINE	K11-607	SB-K11-607-02	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-607	SB-K11-607-02	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K11-607	SB-K11-607-02	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K11-607	SB-K11-607-02	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-607	SB-K11-607-02	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
B-LINE	K11-B2	SB-K11-B2-01	5/18/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	K11-B2	SB-K11-B2-03	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
B-LINE	K11-B3	SB-K11-B3-01	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
B-LINE	K11-B3	SB-K11-B3-02	5/12/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
B-LINE	K11-B3	SB-K11-B3-02	5/12/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
B-LINE	K11-B3	SB-K11-B3-02	5/12/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
B-LINE	K11-B3	SB-K11-B3-02	5/12/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
B-LINE	K11-B3	SB-K11-B3-02	5/12/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	K9-1	SB-K9-1-01	8/1/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K9-1	SB-K9-1-01	8/1/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K9-1	SB-K9-1-01	8/1/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K9-1	SB-K9-1-01	8/1/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K9-1	SB-K9-1-01	8/1/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**416 U**	0.3	940	4200
B-LINE	K9-1	SB-K9-1-02	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K9-1	SB-K9-1-02	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K9-1	SB-K9-1-02	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	K9-1	SB-K9-1-02	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K9-1	SB-K9-1-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	K9-4	SB-K9-4-01	8/1/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	K9-4	SB-K9-4-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	L10-2	SB-L10-2-01	8/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2	SB-L10-2-01	8/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2	SB-L10-2-02	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2	SB-L10-2-02	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2088	SB-L10-2088-01	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2088	SB-L10-2088-02	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-2088	SB-L10-2088-02	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2088	SB-L10-2088-02	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	L10-2191	SB-L10-2191-06	5/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2191	SB-L10-2191-06	5/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-2191	SB-L10-2191-06	5/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-2191	SB-L10-2191-06	5/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2191	SB-L10-2191-06	5/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	L10-2242	SB-L10-2242-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2242	SB-L10-2242-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-2242	SB-L10-2242-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2242	SB-L10-2242-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-2242	SB-L10-2242-03	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-2242	SB-L10-2242-03	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-2242	SB-L10-2242-03	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-2242	SB-L10-2242-03	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3500 U**	100000	660	2000
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3500 U**	100000	1000	21000
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**6900 U**	100000	2000	6000
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**6900 U**	100000	6000	24000
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3500 U**	10000	660	660
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3500 U**	100000	660	660
B-LINE	L10-2316	SB-L10-2316-02	5/18/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3500 U**	10000	660	3000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3600 U**	100000	660	2000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3600 U**	100000	660	660
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3600 U**	0.3	940	4200
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3600 U**	100000	1000	21000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3600 U**	500000	900	4000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3600 U**	10000	660	3000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7200 U**	100000	2000	6000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3600 U**	100000	660	660
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3600 U**	50000	900	4000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3600 U**	500000	900	4000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7200 U**	100000	6000	24000
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3600 U**	10000	660	660
B-LINE	L10-4	SB-L10-4-02	7/25/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3600 U**	500000	900	4000
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
B-LINE	L10-6	SB-L10-6-01	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	L10-6	SB-L10-6-01	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	L10-6	SB-L10-6-01	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	L10-6	SB-L10-6-05	5/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-6	SB-L10-6-05	5/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-6	SB-L10-6-05	5/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-6	SB-L10-6-05	5/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-725	SB-L10-725-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-725	SB-L10-725-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-725	SB-L10-725-01	5/18/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1000 UJ**	1000	49000	210000
B-LINE	L10-8210	SB-L10-8210-03	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-8210	SB-L10-8210-03	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-8210	SB-L10-8210-03	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-8210	SB-L10-8210-03	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-8215	SB-L10-8215-02	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L10-8215	SB-L10-8215-02	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-8215	SB-L10-8215-02	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L10-B462	SB-L10-B462-01	8/2/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
B-LINE	L10-B462	SB-L10-B462-01	8/2/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
B-LINE	L10-B462	SB-L10-B462-01	8/2/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
B-LINE	L10-B462	SB-L10-B462-01	8/2/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
B-LINE	L10-B462	SB-L10-B462-01	8/2/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**366 U**	0.3	940	4200
B-LINE	L10-B462	SB-L10-B462-03	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L10-B462	SB-L10-B462-03	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L10-B462	SB-L10-B462-03	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	L10-B462	SB-L10-B462-03	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L11-1	SB-L11-1-04	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	L11-1	SB-L11-1-04	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	L11-1	SB-L11-1-04	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	L11-2	SB-L11-2-01	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1202 UJ**	1000	79000	1000000
B-LINE	L11-2089	SB-L11-2089-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L11-2089	SB-L11-2089-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L11-2089	SB-L11-2089-05	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L11-2089	SB-L11-2089-05	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L11-2225	SB-L11-2225-02	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L11-2225	SB-L11-2225-02	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L11-2225	SB-L11-2225-02	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L11-2225	SB-L11-2225-02	5/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
B-LINE	L11-2225	SB-L11-2225-05	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	L11-2225	SB-L11-2225-05	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L11-2225	SB-L11-2225-05	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L11-2225	SB-L11-2225-05	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L11-2225	SB-L11-2225-05	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	L11-2226	SB-L11-2226-02	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
B-LINE	L11-2303	SB-L11-2303-03	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	L11-2303	SB-L11-2303-03	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	L11-2303	SB-L11-2303-03	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	L8-1	SB-L8-1-01	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200
B-LINE	L8-1	SB-L8-1-05	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**367 U**	0.3	940	4200
B-LINE	L9-1	SB-L9-1-02	5/12/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
B-LINE	L9-1	SB-L9-1-02	5/12/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
B-LINE	L9-1	SB-L9-1-02	5/12/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
B-LINE	L9-1	SB-L9-1-02	5/12/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
B-LINE	L9-1	SB-L9-1-02	5/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	L9-79B	SB-L9-79B-01	5/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	L9-79B	SB-L9-79B-03	9/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 UJ**	100000	2000	6000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4000 U**	500000	900	4000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4000 U**	100000	660	660
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 U**	50000	900	4000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 UJ**	10000	660	3000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 U**	100000	6000	24000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
B-LINE	L9-8210	SB-L9-8210-05	5/12/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	M10-1	SB-M10-1-02	5/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M10-1	SB-M10-1-02	5/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M10-1	SB-M10-1-02	5/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M10-1	SB-M10-1-02	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M10-1	SB-M10-1-02	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	M10-1	SB-M10-1-04	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	M10-1	SB-M10-1-04	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	M10-1	SB-M10-1-04	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	M10-1	SB-M10-1-04	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**404 U**	0.3	940	4200
B-LINE	M10-2262	SB-M10-2262-04	8/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
B-LINE	M10-2262	SB-M10-2262-04	8/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
B-LINE	M10-2262	SB-M10-2262-04	8/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
B-LINE	M10-2262	SB-M10-2262-04	8/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
B-LINE	M10-2262	SB-M10-2262-04	8/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	M10-2262	SB-M10-2262-05	5/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
B-LINE	M10-2262	SB-M10-2262-05	5/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
B-LINE	M10-2262	SB-M10-2262-05	5/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
B-LINE	M10-2262	SB-M10-2262-05	5/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
B-LINE	M10-2315	SB-M10-2315-02	5/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	M10-4	SB-M10-4-02	5/25/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
B-LINE	M10-4	SB-M10-4-02	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1250 UJ**	1000	79000	1000000
B-LINE	M10-6	SB-M10-6-02	5/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	M10-6	SB-M10-6-02	5/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	M10-6	SB-M10-6-02	5/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	M10-6	SB-M10-6-02	5/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	M10-6	SB-M10-6-02	5/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	M10-7	SB-M10-7-02	5/18/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M10-7	SB-M10-7-02	5/18/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M10-7	SB-M10-7-02	5/18/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M10-7	SB-M10-7-03	8/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**192 U**	20	7800	100000
B-LINE	M10-7	SB-M10-7-03	8/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**192 U**	0.3	940	4200
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7400 U**	100000	2000	6000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7400 U**	100000	6000	24000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 UJ**	0.3	940	4200
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5387 U**	1000	1000	5000
B-LINE	M10-B14	SB-M10-B14-01	5/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	M10-B14	SB-M10-B14-02	8/2/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
B-LINE	M11-3	SB-M11-3-02	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M11-3	SB-M11-3-02	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M11-3	SB-M11-3-02	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M11-3	SB-M11-3-02	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M11-3	SB-M11-3-02	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**522 UJ**	0.3	940	4200
B-LINE	M8-2	SB-M8-2-05	5/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M8-2	SB-M8-2-05	5/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M8-2196	SB-M8-2196-03	5/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M8-2196	SB-M8-2196-03	5/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M8-2196	SB-M8-2196-03	5/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M8-2196	SB-M8-2196-03	5/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M8-2196	SB-M8-2196-07	5/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	M8-2196	SB-M8-2196-07	5/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
B-LINE	M8-2196	SB-M8-2196-07	5/12/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200
B-LINE	M8-2196	SB-M8-2196-08	5/12/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	M8-2196	SB-M8-2196-08	5/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	M8-2196	SB-M8-2196-08	5/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	M8-2196	SB-M8-2196-08	5/12/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	M8-3	SB-M8-3-01	5/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	M8-3	SB-M8-3-02	7/25/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
B-LINE	M9-2191	SB-M9-2191-05	5/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	M9-2192	SB-M9-2192-03	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
B-LINE	M9-2192	SB-M9-2192-03	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	M9-2192	SB-M9-2192-03	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	M9-2192	SB-M9-2192-05	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	M9-2192	SB-M9-2192-05	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
B-LINE	M9-2192	SB-M9-2192-06	5/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
B-LINE	M9-2192	SB-M9-2192-06	5/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
B-LINE	M9-2192	SB-M9-2192-06	5/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
B-LINE	M9-2192	SB-M9-2192-06	5/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
B-LINE	M9-2193	SB-M9-2193-01	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
B-LINE	M9-2193	SB-M9-2193-01	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
B-LINE	M9-2193	SB-M9-2193-05	5/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
B-LINE	M9-2193	SB-M9-2193-05	5/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
B-LINE	M9-2193	SB-M9-2193-05	5/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
B-LINE	M9-2193	SB-M9-2193-06	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
B-LINE	M9-2193	SB-M9-2193-06	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
B-LINE	M9-2193	SB-M9-2193-06	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
B-LINE	M9-2193	SB-M9-2193-06	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
B-LINE	M9-2251	SB-M9-2251-03	5/25/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
B-LINE	M9-2251	SB-M9-2251-03	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
B-LINE	M9-2251	SB-M9-2251-03	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1168 UJ**	1000	79000	1000000
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3748 UJ**	10000	660	660
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3748 UJ**	10000	660	3000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7497 U**	100000	6000	24000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7497 U**	100000	2000	6000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3748 UJ**	100000	1000	21000
B-LINE	M9-2261	SB-M9-2261-02	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3748 U**	0.3	940	4200
B-LINE	M9-2292	SB-M9-2292-01	5/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	M9-2292	SB-M9-2292-01	5/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	M9-2292	SB-M9-2292-01	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	M9-2292	SB-M9-2292-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	M9-2292	SB-M9-2292-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	M9-2292	SB-M9-2292-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	M9-2292	SB-M9-2292-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
B-LINE	M9-3	SB-M9-3-01	5/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M9-3	SB-M9-3-01	5/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M9-3	SB-M9-3-01	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	M9-5	SB-M9-5-02	5/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M9-5	SB-M9-5-02	5/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M9-5	SB-M9-5-02	5/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M9-5	SB-M9-5-02	5/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M9-5	SB-M9-5-02	5/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
B-LINE	M9-8151	SB-M9-8151-02	7/13/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	M9-8151	SB-M9-8151-02	7/13/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	M9-8151	SB-M9-8151-02	7/13/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	M9-8151	SB-M9-8151-02	7/13/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	M9-8151	SB-M9-8151-02	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**349 U**	0.3	940	4200
B-LINE	M9-8151	SB-M9-8151-03	9/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
B-LINE	M9-8151	SB-M9-8151-03	9/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
B-LINE	M9-8151	SB-M9-8151-03	9/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
B-LINE	M9-8151	SB-M9-8151-03	9/27/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
B-LINE	M9-8151	SB-M9-8151-03	9/27/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
B-LINE	N8-2304	SB-N8-2304-01	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N8-2304	SB-N8-2304-01	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N8-2304	SB-N8-2304-01	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N8-2304	SB-N8-2304-01	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N8-2304	SB-N8-2304-01	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**720 U**	10000	660	3000
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**720 U**	10000	660	660
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**720 U**	100000	660	2000
B-LINE	N8-2304	SB-N8-2304-05	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**720 U**	0.3	940	4200
B-LINE	N9-2195	SB-N9-2195-02	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-2195	SB-N9-2195-02	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-2195	SB-N9-2195-02	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N9-2195	SB-N9-2195-02	5/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-2195	SB-N9-2195-02	5/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
B-LINE	N9-2195	SB-N9-2195-05	5/23/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	N9-2195	SB-N9-2195-05	5/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	N9-2195	SB-N9-2195-05	5/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	N9-2195	SB-N9-2195-05	5/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	N9-2195	SB-N9-2195-05	5/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	N9-2260	SB-N9-2260-01	7/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-2260	SB-N9-2260-01	7/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N9-2260	SB-N9-2260-01	7/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-2260	SB-N9-2260-01	7/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-2267	SB-N9-2267-03	6/15/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	N9-2267	SB-N9-2267-03	6/15/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-2267	SB-N9-2267-03	6/15/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-2267	SB-N9-2267-05	6/15/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-2267	SB-N9-2267-05	6/15/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-2267	SB-N9-2267-05	6/15/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N9-2267	SB-N9-2267-05	6/15/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**740 U**	100000	660	660
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**740 U**	100000	660	2000
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**740 U**	10000	660	660
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**740 U**	10000	660	3000
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**740 U**	0.3	940	4200
B-LINE	N9-3	SB-N9-3-04	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**172 U**	40	4700	61000
B-LINE	N9-3	SB-N9-3-04	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**172 U**	20	7800	100000
B-LINE	N9-3	SB-N9-3-04	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**172 U**	40	21000	95000
B-LINE	N9-3	SB-N9-3-04	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**172 U**	0.3	940	4200
B-LINE	N9-3	SB-N9-3-04	8/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**426 U**	0.3	940	4200
B-LINE	N9-3	SB-N9-3-05	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N9-3	SB-N9-3-05	5/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-3	SB-N9-3-05	5/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-3	SB-N9-3-05	5/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-3	SB-N9-3-05	5/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-01	9/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-04	5/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
B-LINE	N9-B41	SB-N9-B41-10-01	9/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	N9-B41	SB-N9-B41-10-01	9/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
B-LINE	N9-B41	SB-N9-B41-10-01	9/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	N9-B41	SB-N9-B41-10-01	9/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	N9-B41	SB-N9-B41-10-01	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 U**	0.3	940	4200
B-LINE	N9-B41	SB-N9-B41-10-03	5/26/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	N9-B41	SB-N9-B41-10-03	5/26/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	N9-B41	SB-N9-B41-10-03	5/26/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	N9-B41	SB-N9-B41-10-03	5/26/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	N9-B41	SB-N9-B41-10-03	5/26/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-11-03	9/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	N9-B4	SB-N9-B4-11-03	9/12/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	N9-B4	SB-N9-B4-11-03	9/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	N9-B4	SB-N9-B4-11-03	9/12/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-11-03	9/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**342 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-11-05	5/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	N9-B4	SB-N9-B4-11-05	5/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	N9-B4	SB-N9-B4-11-05	5/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	N9-B4	SB-N9-B4-11-05	5/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	N9-B4	SB-N9-B4-11-05	5/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
B-LINE	O7-2271	SB-O7-2271-02	9/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	O7-2271	SB-O7-2271-02	9/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	O7-2271	SB-O7-2271-02	9/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	O7-2271	SB-O7-2271-02	9/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	O7-2271	SB-O7-2271-02	9/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
B-LINE	O7-2271	SB-O7-2271-04	5/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	O7-2271	SB-O7-2271-04	5/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	O7-2271	SB-O7-2271-04	5/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	O7-2271	SB-O7-2271-04	5/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	O7-2271	SB-O7-2271-04	5/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
B-LINE	O8-2252	SB-O8-2252-01	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**371 U**	0.3	940	4200
B-LINE	O8-2252	SB-O8-2252-02	5/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 UJ**	0.3	940	4200
B-LINE	O8-2268	SB-O8-2268-01	9/12/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**344 U**	0.3	940	4200
B-LINE	O8-2268	SB-O8-2268-05	5/26/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
B-LINE	O8-4	SB-O8-4-01	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	O8-4	SB-O8-4-01	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	O8-4	SB-O8-4-01	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
B-LINE	O8-4	SB-O8-4-01	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
B-LINE	O8-4	SB-O8-4-01	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
B-LINE	I11-6	TP-I11-6-01	8/2/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
B-LINE	I11-6	TP-I11-6-01	8/2/2000	7.5 - 8.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1180 UJ**	1000	49000	210000
B-LINE	I11-6	TP-I11-6-01	8/2/2000	7.5 - 8.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5733 UJ**	1000	1000	5000
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
B-LINE	I11-8504	TP-I11-8504-07	8/17/2000	3 - 3.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1070 U**	1000	49000	210000
B-LINE	J11-11	TP-J11-11-01	8/2/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
B-LINE	J11-11	TP-J11-11-01	8/2/2000	7.5 - 8.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6250 UJ**	1000	1000	5000
B-LINE	J11-11	TP-J11-11-01	8/2/2000	7.5 - 8.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1250 UJ**	1000	79000	1000000
B-LINE	J11-11	TP-J11-11-01	8/2/2000	7.5 - 8.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2370 UJ**	1000	49000	210000
B-LINE	J11-2188	TP-J11-2188-09	8/3/2000	4 - 6 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	J11-2188	TP-J11-2188-09	8/3/2000	4 - 6 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	J11-2188	TP-J11-2188-10	8/3/2000	4 - 6 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	J11-2188	TP-J11-2188-10	8/3/2000	4 - 6 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 UJ**	0.3	940	4200
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**407 U**	0.3	940	4200
B-LINE	J11-8570	TP-J11-8570-05	8/3/2000	9.5 - 11.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	J11-8570	TP-J11-8570-05	8/3/2000	9.5 - 11.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	J11-8570	TP-J11-8570-05	8/3/2000	9.5 - 11.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	J11-8570	TP-J11-8570-05	8/3/2000	9.5 - 11.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
B-LINE	J11-8570	TP-J11-8570-05	8/3/2000	9.5 - 11.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
B-LINE	K11-2225A	TP-K11-2225A-01	8/3/2000	7 - 9 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
B-LINE	K11-2225A	TP-K11-2225A-01	8/3/2000	7 - 9 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
B-LINE	K11-2225A	TP-K11-2225A-01	8/3/2000	7 - 9 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 UJ**	0.3	940	4200
B-LINE	K11-2225A	TP-K11-2225A-01	8/3/2000	7 - 9 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
B-LINE	K11-2225A	TP-K11-2225A-01	8/3/2000	7 - 9 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
B-LINE	K11-2300	TP-K11-2300-07	8/3/2000	7.5 - 9.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
B-LINE	K11-2300	TP-K11-2300-07	8/3/2000	7.5 - 9.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
B-LINE	K11-2300	TP-K11-2300-07	8/3/2000	7.5 - 9.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
B-LINE	K11-2300	TP-K11-2300-07	8/3/2000	7.5 - 9.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
B-LINE	K11-2300	TP-K11-2300-07	8/3/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**404 U**	0.3	940	4200
B-LINE	L10-1A	TP-L10-1A-01	8/2/2000	5 - 7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**362 U**	0.3	940	4200
B-LINE	L10-1A	TP-L10-1A-01	8/2/2000	5 - 5.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5530 UJ**	1000	1000	5000
B-LINE	L10-1A	TP-L10-1A-01	8/2/2000	5 - 5.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1090 UJ**	1000	49000	210000
B-LINE	L11-2089	TP-L11-2089-06	8/2/2000	9 - 11 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
B-LINE	L11-2089	TP-L11-2089-06	8/2/2000	9 - 11 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	G6-1	SB-G6-1-02	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-1	SB-G6-1-02	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	G6-1	SB-G6-1-02	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-1	SB-G6-1-02	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-1	SB-G6-1-03	4/4/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-1	SB-G6-1-03	4/4/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-1	SB-G6-1-03	4/4/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G6-1	SB-G6-1-03	4/4/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4480 U**	0.3	940	4200
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4480 U**	10000	660	3000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8960 U**	100000	6000	24000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4480 U**	10000	660	660
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8960 U**	100000	2000	6000
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4480 U**	100000	1000	21000
DEVELOPMENT	G6-2	SB-G6-2-03	3/30/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	G6-2	SB-G6-2-03	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	G6-2	SB-G6-2-03	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	G6-2	SB-G6-2-03	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	G6-2	SB-G6-2-03	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**550 UJ**	0.3	940	4200
DEVELOPMENT	G6-3	SB-G6-3-01	3/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	G6-4	SB-G6-4-01	3/31/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**7 U**	NA	2	2
DEVELOPMENT	G6-4	SB-G6-4-01	3/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DEVELOPMENT	G6-8128	SB-G6-8128-04	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-8128	SB-G6-8128-04	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-8128	SB-G6-8128-04	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G6-8128	SB-G6-8128-04	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**5600 U**	0.3	940	4200
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**5600 U**	100000	1000	21000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**5600 U**	100000	660	660
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**5600 U**	10000	660	660
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**5600 U**	10000	660	3000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**5600 U**	500000	900	4000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**11000 U**	100000	6000	24000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**11000 U**	100000	2000	6000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**11000 U**	10000	110000	2100000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**5600 U**	50000	900	4000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**5600 U**	500000	900	4000
DEVELOPMENT	G6-8129	SB-G6-8129-05	3/28/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**5600 U**	100000	660	2000
DEVELOPMENT	G6-8129	SB-G6-8129-06	3/28/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**3 U**	NA	2	2
DEVELOPMENT	G6-8242	SB-G6-8242-04	4/4/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	G6-8243	SB-G6-8243-03	3/30/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	G6-8243	SB-G6-8243-03	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
DEVELOPMENT	G6-8244	SB-G6-8244-01	3/31/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	G6-8244	SB-G6-8244-03	7/14/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.26 UJ**	NA	2	2
DEVELOPMENT	G6-8244	SB-G6-8244-03	7/14/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1780 U**	1000	49000	210000
DEVELOPMENT	G6-8261	SB-G6-8261-03	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
DEVELOPMENT	G6-8261	SB-G6-8261-05	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
DEVELOPMENT	G6-906	SB-G6-906-02	9/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1080 U**	1000	79000	1000000
DEVELOPMENT	G6-9219	SB-G6-9219-04	6/22/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-9219	SB-G6-9219-04	6/22/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G6-9219	SB-G6-9219-04	6/22/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-9219	SB-G6-9219-04	6/22/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-9219	SB-G6-9219-04	6/22/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**437 U**	0.3	940	4200
DEVELOPMENT	G6-9219	SB-G6-9219-05	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G6-9219	SB-G6-9219-05	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G6-9219	SB-G6-9219-05	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G6-9219	SB-G6-9219-05	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G6-9219	SB-G6-9219-05	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 UJ**	0.3	940	4200
DEVELOPMENT	G7-8139	SB-G7-8139-02	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	G7-8139	SB-G7-8139-02	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	G7-8139	SB-G7-8139-02	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	G7-8139	SB-G7-8139-05	3/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DEVELOPMENT	G7-8140	SB-G7-8140-02	3/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	G7-E49	SB-G7-E49-02	4/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G7-E49	SB-G7-E49-02	4/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G7-E49	SB-G7-E49-02	4/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G7-E49	SB-G7-E49-02	4/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G7-E49	SB-G7-E49-05	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	G7-E49	SB-G7-E49-05	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	G7-E49	SB-G7-E49-05	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	G7-E49	SB-G7-E49-05	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	G8-2293	SB-G8-2293-02	4/4/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
DEVELOPMENT	G8-8177A	SB-G8-8177A-01	4/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	G8-8178	SB-G8-8178-02	7/7/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**500 U**	0.3	940	4200
DEVELOPMENT	G8-8178	SB-G8-8178-02	7/7/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**500 U**	20	7800	100000
DEVELOPMENT	G8-8178	SB-G8-8178-02	7/7/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**500 U**	40	4700	61000
DEVELOPMENT	G8-8178	SB-G8-8178-02	7/7/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**500 U**	40	21000	95000
DEVELOPMENT	G8-8178	SB-G8-8178-02	7/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
DEVELOPMENT	H5-8126	SB-H5-8126-07	7/13/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**192 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H5-8126	SB-H5-8126-07	7/13/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**192 U**	0.3	940	4200
DEVELOPMENT	H5-8126	SB-H5-8126-07	7/13/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**192 U**	20	7800	100000
DEVELOPMENT	H5-8126	SB-H5-8126-07	7/13/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**192 U**	40	21000	95000
DEVELOPMENT	H5-8126	SB-H5-8126-07	7/13/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**349 U**	0.3	940	4200
DEVELOPMENT	H5-8126	SB-H5-8126-11	7/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H5-8126	SB-H5-8126-11	7/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H5-8126	SB-H5-8126-11	7/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H5-8126	SB-H5-8126-11	7/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H5-8254	SB-H5-8254-01	9/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**95.2 U**	40	21000	95000
DEVELOPMENT	H5-8254	SB-H5-8254-01	9/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**95.2 U**	20	7800	100000
DEVELOPMENT	H5-8254	SB-H5-8254-01	9/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**95.2 U**	40	4700	61000
DEVELOPMENT	H5-8254	SB-H5-8254-01	9/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**95.2 U**	0.3	940	4200
DEVELOPMENT	H5-8254	SB-H5-8254-01	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**399 U**	0.3	940	4200
DEVELOPMENT	H5-8254	SB-H5-8254-04	7/13/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DEVELOPMENT	H5-8254	SB-H5-8254-04	7/13/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DEVELOPMENT	H5-8254	SB-H5-8254-04	7/13/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DEVELOPMENT	H5-8254	SB-H5-8254-04	7/13/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	H5-8254	SB-H5-8254-04	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
DEVELOPMENT	H5-938	SB-H5-938-01	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	H6-1	SB-H6-1-02	4/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DEVELOPMENT	H6-1	SB-H6-1-03	6/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**533 U**	0.3	940	4200
DEVELOPMENT	H6-8116	SB-H6-8116-01	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-8116	SB-H6-8116-01	3/30/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-8116	SB-H6-8116-01	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-8116	SB-H6-8116-02	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**462 U**	0.3	940	4200
DEVELOPMENT	H6-8120	SB-H6-8120-04	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	H6-8120	SB-H6-8120-04	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
DEVELOPMENT	H6-8120	SB-H6-8120-05	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	H6-8120	SB-H6-8120-05	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
DEVELOPMENT	H6-8120	SB-H6-8120-06	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DEVELOPMENT	H6-8120	SB-H6-8120-06	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
DEVELOPMENT	H6-8122	SB-H6-8122-01	3/30/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 UJ**	0.3	940	4200
DEVELOPMENT	H6-8123B	SB-H6-8123B-04	4/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	H6-8123B	SB-H6-8123B-06	4/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DEVELOPMENT	H6-8127	SB-H6-8127-02	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-8127	SB-H6-8127-02	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-8127	SB-H6-8127-02	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-8127	SB-H6-8127-02	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-8130	SB-H6-8130-03	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H6-8130	SB-H6-8130-03	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4400 U**	10000	660	3000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4400 U**	100000	660	2000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4400 UJ**	100000	660	660
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8800 U**	100000	6000	24000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4400 UJ**	500000	900	4000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4400 U**	100000	1000	21000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8800 UJ**	100000	2000	6000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4400 UJ**	100000	660	660
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4400 UJ**	500000	900	4000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4400 UJ**	50000	900	4000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4400 U**	500000	900	4000
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4400 U**	10000	660	660
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**2200 UJ**	100000	660	660
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2200 UJ**	100000	660	2000
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2200 UJ**	10000	660	660
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**2200 UJ**	500000	900	4000
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**4400 UJ**	100000	2000	6000
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**2200 UJ**	0.3	940	4200
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**2200 UJ**	500000	900	4000
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2200 UJ**	100000	1000	21000
DEVELOPMENT	H6-8152	SB-H6-8152-04	3/30/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2200 UJ**	10000	660	3000
DEVELOPMENT	H6-8152	SB-H6-8152-05	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 UJ**	0.3	940	4200
DEVELOPMENT	H6-8152	SB-H6-8152-07	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 UJ**	0.3	940	4200
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**2200 U**	100000	660	660
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2200 U**	10000	660	660
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**2200 U**	500000	900	4000
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**4300 U**	100000	2000	6000
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**2200 U**	500000	900	4000
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2200 U**	10000	660	3000
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2200 U**	100000	1000	21000
DEVELOPMENT	H6-8246	SB-H6-8246-01	4/6/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2200 U**	100000	660	2000
DEVELOPMENT	H6-8247	SB-H6-8247-02	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	H6-8247	SB-H6-8247-02	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1126 UJ**	1000	79000	1000000
DEVELOPMENT	H6-8247	SB-H6-8247-05	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H6-8247	SB-H6-8247-05	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1078 UJ**	1000	79000	1000000
DEVELOPMENT	H6-8251	SB-H6-8251-02	6/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	H6-8251	SB-H6-8251-02	6/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DEVELOPMENT	H6-8251	SB-H6-8251-02	6/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DEVELOPMENT	H6-8251	SB-H6-8251-02	6/21/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DEVELOPMENT	H6-8251	SB-H6-8251-03	4/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-8251	SB-H6-8251-03	4/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-8251	SB-H6-8251-03	4/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-8251	SB-H6-8251-03	4/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-8275	SB-H6-8275-02	4/4/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H6-8275	SB-H6-8275-02	4/4/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
DEVELOPMENT	H6-8275	SB-H6-8275-02	4/4/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
DEVELOPMENT	H6-8275	SB-H6-8275-02	4/4/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
DEVELOPMENT	H6-8275	SB-H6-8275-04	6/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-8275	SB-H6-8275-04	6/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-8275	SB-H6-8275-04	6/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-8275	SB-H6-8275-04	6/21/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-8285	SB-H6-8285-07	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**407 U**	0.3	940	4200
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3570 U**	0.3	940	4200
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3570 U**	100000	1000	21000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3570 UJ**	100000	660	660
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3570 UJ**	50000	900	4000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3570 UJ**	500000	900	4000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3570 UJ**	100000	660	660
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7140 U**	100000	2000	6000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3570 UJ**	500000	900	4000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7140 U**	100000	6000	24000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3570 UJ**	500000	900	4000
DEVELOPMENT	H6-8285	SB-H6-8285-08	7/13/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3570 U**	10000	660	3000
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**434 U**	0.3	940	4200
DEVELOPMENT	H6-862	SB-H6-862-04	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-862	SB-H6-862-04	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-862	SB-H6-862-04	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-862	SB-H6-862-04	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-862	SB-H6-862-04	3/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	H6-918	SB-H6-918-01	4/14/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-918	SB-H6-918-01	4/14/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-918	SB-H6-918-01	4/14/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-918	SB-H6-918-01	4/14/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-918	SB-H6-918-01	4/14/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**419 U**	0.3	940	4200
DEVELOPMENT	H6-941C	SB-H6-941C-02	4/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H6-941C	SB-H6-941C-02	4/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H6-941C	SB-H6-941C-02	4/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H6-941C	SB-H6-941C-02	4/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H6-941C	SB-H6-941C-02	4/14/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**421 U**	0.3	940	4200
DEVELOPMENT	H7-13	SB-H7-13-05	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H7-13	SB-H7-13-05	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H7-13	SB-H7-13-05	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H7-13	SB-H7-13-05	3/28/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**12 U**	NA	2	2
DEVELOPMENT	H7-15	SB-H7-15-02	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**465 U**	0.3	940	4200
DEVELOPMENT	H7-4	SB-H7-4-04	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-4	SB-H7-4-04	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-4	SB-H7-4-04	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-4	SB-H7-4-04	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-4	SB-H7-4-04	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DEVELOPMENT	H7-5	SB-H7-5-01	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-5	SB-H7-5-01	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-5	SB-H7-5-01	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-5	SB-H7-5-01	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-5	SB-H7-5-01	3/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
DEVELOPMENT	H7-6	SB-H7-6-02	3/28/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H7-6	SB-H7-6-02	3/28/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	H7-6	SB-H7-6-02	3/28/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H7-6	SB-H7-6-02	3/28/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H7-6	SB-H7-6-02	3/28/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 U**	0.3	940	4200
DEVELOPMENT	H7-606L	SB-H7-606L-01	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H7-606L	SB-H7-606L-01	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H7-606L	SB-H7-606L-01	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	H7-606L	SB-H7-606L-01	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**6000 UJ**	100000	660	2000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**6000 U**	0.3	940	4200
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**6000 U**	10000	660	660
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**6000 UJ**	100000	1000	21000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**12000 U**	100000	2000	6000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**6000 UJ**	100000	6000	100000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**12000 U**	100000	6000	24000
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**6000 U**	10000	660	3000
DEVELOPMENT	H7-8124	SB-H7-8124-01	4/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	H7-8131	SB-H7-8131-04	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8131	SB-H7-8131-04	3/30/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8131	SB-H7-8131-04	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8131	SB-H7-8131-04	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8131	SB-H7-8131-06	3/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8131	SB-H7-8131-06	3/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8131	SB-H7-8131-06	3/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8131	SB-H7-8131-06	3/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8131	SB-H7-8131-06	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 UJ**	100000	660	2000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 UJ**	50000	900	4000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 UJ**	100000	660	660
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 UJ**	500000	900	4000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 UJ**	100000	1000	21000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 UJ**	100000	2000	6000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 UJ**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 UJ**	10000	660	3000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 UJ**	500000	900	4000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 UJ**	100000	660	660
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 UJ**	10000	660	660
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8100 UJ**	100000	6000	24000
DEVELOPMENT	H7-8134	SB-H7-8134-02	3/28/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 UJ**	500000	900	4000
DEVELOPMENT	H7-8134	SB-H7-8134-04	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**424 U**	0.3	940	4200
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 U**	50000	900	4000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 U**	100000	6000	24000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4397 U**	10000	660	660
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8795 U**	100000	6000	24000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4397 U**	500000	900	4000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8795 U**	100000	2000	6000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4397 U**	100000	660	660
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4397 U**	500000	900	4000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4397 U**	10000	660	3000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4397 U**	100000	1000	21000
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4397 U**	0.3	940	4200
DEVELOPMENT	H7-8143	SB-H7-8143-04	3/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8143	SB-H7-8143-04	3/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8143	SB-H7-8143-04	3/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8143	SB-H7-8143-04	3/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8143	SB-H7-8143-04	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	H7-8144	SB-H7-8144-01	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	H7-8144	SB-H7-8144-01	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DEVELOPMENT	H7-8144	SB-H7-8144-01	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DEVELOPMENT	H7-8144	SB-H7-8144-01	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DEVELOPMENT	H7-8144	SB-H7-8144-05	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H7-8144	SB-H7-8144-05	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8144	SB-H7-8144-05	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8144	SB-H7-8144-05	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8145	SB-H7-8145-01	3/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 UJ**	40	4700	61000
DEVELOPMENT	H7-8145	SB-H7-8145-01	3/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 UJ**	20	7800	100000
DEVELOPMENT	H7-8145	SB-H7-8145-01	3/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 UJ**	40	21000	95000
DEVELOPMENT	H7-8145	SB-H7-8145-01	3/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 UJ**	0.3	940	4200
DEVELOPMENT	H7-8145	SB-H7-8145-01	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H7-8145	SB-H7-8145-03	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8145	SB-H7-8145-03	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8145	SB-H7-8145-03	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8145	SB-H7-8145-03	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8145	SB-H7-8145-03	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H7-8146	SB-H7-8146-03	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DEVELOPMENT	H7-8146	SB-H7-8146-04	6/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**422 U**	0.3	940	4200
DEVELOPMENT	H7-8176	SB-H7-8176-01	6/16/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H7-8176	SB-H7-8176-01	6/16/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
DEVELOPMENT	H7-8176	SB-H7-8176-01	6/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
DEVELOPMENT	H7-8176	SB-H7-8176-01	6/16/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**396 U**	0.3	940	4200
DEVELOPMENT	H7-8248	SB-H7-8248-02	3/31/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H7-8252	SB-H7-8252-01	3/31/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1164 UJ**	1000	49000	210000
DEVELOPMENT	H7-8255	SB-H7-8255-02	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	H7-8255	SB-H7-8255-02	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1157 UJ**	1000	79000	1000000
DEVELOPMENT	H7-8282	SB-H7-8282-02	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	H7-8282	SB-H7-8282-03	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DEVELOPMENT	H7-9	SB-H7-9-04	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H7-9	SB-H7-9-04	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H7-9	SB-H7-9-04	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H7-9	SB-H7-9-04	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H7-916	SB-H7-916-01	3/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	H7-916	SB-H7-916-01	3/30/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
DEVELOPMENT	H8-2	SB-H8-2-03	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H8-2	SB-H8-2-03	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H8-2	SB-H8-2-03	3/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H8-2	SB-H8-2-03	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-8102	SB-H8-8102-02	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H8-8102	SB-H8-8102-02	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-8102	SB-H8-8102-02	4/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H8-8102	SB-H8-8102-02	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H8-8102	SB-H8-8102-02	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DEVELOPMENT	H8-8177	SB-H8-8177-01	4/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H8-8177	SB-H8-8177-01	4/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H8-8177	SB-H8-8177-01	4/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H8-8177	SB-H8-8177-01	4/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-8177	SB-H8-8177-01	4/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	H8-8177	SB-H8-8177-02	4/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H8-8177	SB-H8-8177-02	4/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H8-8177	SB-H8-8177-02	4/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H8-8177	SB-H8-8177-02	4/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-8177	SB-H8-8177-02	4/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	H8-8179	SB-H8-8179-01	4/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	H8-8179	SB-H8-8179-01	4/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H8-8179	SB-H8-8179-01	4/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-8179	SB-H8-8179-01	4/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	H8-8179	SB-H8-8179-01	4/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	H8-8179	SB-H8-8179-02	4/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H8-8179	SB-H8-8179-02	4/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	H8-8179	SB-H8-8179-02	4/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H8-8179	SB-H8-8179-02	4/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H8-8179	SB-H8-8179-02	4/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	H8-9221	SB-H8-9221-03	3/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	H8-9221	SB-H8-9221-03	3/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	H8-9221	SB-H8-9221-03	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	H8-9221	SB-H8-9221-03	3/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	H8-9221	SB-H8-9221-04	3/28/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	H8-9221	SB-H8-9221-04	3/28/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	H8-9221	SB-H8-9221-04	3/28/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-2	SB-I5-2-01	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-2	SB-I5-2-01	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-2	SB-I5-2-01	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-2	SB-I5-2-01	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-2	SB-I5-2-01	7/19/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**11.4 U**	NA	2	2
DEVELOPMENT	I5-2	SB-I5-2-02	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-2	SB-I5-2-02	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-2	SB-I5-2-02	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-2	SB-I5-2-02	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I5-3	SB-I5-3-03	4/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-3	SB-I5-3-03	4/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-3	SB-I5-3-03	4/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-3	SB-I5-3-03	4/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-4	SB-I5-4-03	4/6/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-4	SB-I5-4-03	4/6/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-4	SB-I5-4-03	4/6/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-4	SB-I5-4-03	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-4	SB-I5-4-03	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	I5-7	SB-I5-7-01	7/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
DEVELOPMENT	I5-7	SB-I5-7-01	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1150 UJ**	1000	79000	1000000
DEVELOPMENT	I5-7	SB-I5-7-01	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5730 UJ**	1000	1000	5000
DEVELOPMENT	I5-7	SB-I5-7-05	4/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	I5-7	SB-I5-7-05	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1168 UJ**	1000	79000	1000000
DEVELOPMENT	I5-8	SB-I5-8-01	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	I5-8	SB-I5-8-01	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	I5-8	SB-I5-8-01	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I5-8	SB-I5-8-01	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I5-8	SB-I5-8-01	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
DEVELOPMENT	I5-8141	SB-I5-8141-01	4/6/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-8141	SB-I5-8141-01	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-8141	SB-I5-8141-01	4/6/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-8141	SB-I5-8141-01	4/6/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-8141	SB-I5-8141-01	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**363 U**	0.3	940	4200
DEVELOPMENT	I5-8168	SB-I5-8168-01	6/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**413 U**	0.3	940	4200
DEVELOPMENT	I5-8168	SB-I5-8168-02	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	I5-8169	SB-I5-8169-02	4/6/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I5-8169	SB-I5-8169-02	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I5-8169	SB-I5-8169-02	4/6/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I5-8169	SB-I5-8169-02	4/6/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I5-8169	SB-I5-8169-02	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	I5-8170	SB-I5-8170-02	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**11.4 UN**	NA	2	2

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Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 UJ**	10000	660	3000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7600 U**	100000	6000	24000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
DEVELOPMENT	I6-11	SB-I6-11-01	4/13/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**448 U**	0.3	940	4200
DEVELOPMENT	I6-3	SB-I6-3-04	3/31/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-3	SB-I6-3-04	3/31/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-3	SB-I6-3-04	3/31/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-3	SB-I6-3-04	3/31/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-3	SB-I6-3-04	3/31/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
DEVELOPMENT	I6-5	SB-I6-5-05	3/30/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	I6-8125	SB-I6-8125-03	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1068 UJ**	1000	79000	1000000
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	I6-8125	SB-I6-8125-05	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1059 UJ**	1000	79000	1000000
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	I6-8125	SB-I6-8125-07	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
DEVELOPMENT	I6-8132	SB-I6-8132-02	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8132	SB-I6-8132-02	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8132	SB-I6-8132-02	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8132	SB-I6-8132-02	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8132	SB-I6-8132-05	4/13/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
DEVELOPMENT	I6-8171	SB-I6-8171-01	4/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4200 U**	10000	660	3000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8400 U**	100000	2000	6000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4200 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4200 U**	100000	660	2000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4200 U**	100000	1000	21000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8400 U**	100000	6000	24000
DEVELOPMENT	I6-8171	SB-I6-8171-04	4/7/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4200 U**	10000	660	660
DEVELOPMENT	I6-8171	SB-I6-8171-06	4/7/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8171	SB-I6-8171-06	4/7/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8171	SB-I6-8171-06	4/7/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-06	4/7/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8171	SB-I6-8171-06	4/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-07	4/7/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8171	SB-I6-8171-07	4/7/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8171	SB-I6-8171-07	4/7/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8171	SB-I6-8171-07	4/7/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8171	SB-I6-8171-07	4/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8000 U**	100000	2000	6000
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8000 U**	100000	6000	24000
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
DEVELOPMENT	I6-8171A	SB-I6-8171A-02	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1168 UJ**	1000	79000	1000000
DEVELOPMENT	I6-8171C	SB-I6-8171C-01	4/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8171C	SB-I6-8171C-01	4/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8171C	SB-I6-8171C-01	4/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8171C	SB-I6-8171C-01	4/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8171C	SB-I6-8171C-02	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
DEVELOPMENT	I6-8171C	SB-I6-8171C-02	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
DEVELOPMENT	I6-8171C	SB-I6-8171C-02	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
DEVELOPMENT	I6-8171C	SB-I6-8171C-02	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
DEVELOPMENT	I6-8172	SB-I6-8172-06	4/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I6-8172	SB-I6-8172-06	4/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I6-8172	SB-I6-8172-06	4/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	I6-8172	SB-I6-8172-06	4/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	I6-8173	SB-I6-8173-01	4/6/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	I6-8175	SB-I6-8175-04	4/4/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
DEVELOPMENT	I6-8175	SB-I6-8175-04	4/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	I6-8181	SB-I6-8181-01	4/13/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8181	SB-I6-8181-01	4/13/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8181	SB-I6-8181-01	4/13/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8181	SB-I6-8181-01	4/13/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8181	SB-I6-8181-01	4/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**452 U**	0.3	940	4200
DEVELOPMENT	I6-8183	SB-I6-8183-01	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	I6-8183	SB-I6-8183-05	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	I6-8184	SB-I6-8184-02	4/6/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8184	SB-I6-8184-02	4/6/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8184	SB-I6-8184-02	4/6/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8184	SB-I6-8184-02	4/6/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	I6-8192	SB-I6-8192-03	3/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	I6-8263	SB-I6-8263-01	3/31/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8263	SB-I6-8263-01	3/31/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I6-8263	SB-I6-8263-01	3/31/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-8263	SB-I6-8263-01	3/31/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8263	SB-I6-8263-02	6/21/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-8263	SB-I6-8263-02	6/21/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-8263	SB-I6-8263-02	6/21/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-8263	SB-I6-8263-02	6/21/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**4100 U**	100000	2000	6000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2100 U**	100000	1000	21000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2100 U**	100000	660	2000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2100 U**	10000	660	3000
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**2100 U**	0.3	940	4200
DEVELOPMENT	I6-9	SB-I6-9-04	4/6/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2100 U**	10000	660	660
DEVELOPMENT	I6-9	SB-I6-9-05	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-9	SB-I6-9-05	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-9	SB-I6-9-05	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-9	SB-I6-9-05	4/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-9	SB-I6-9-05	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	I6-9210	SB-I6-9210-02	6/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
DEVELOPMENT	I6-9210	SB-I6-9210-02	6/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
DEVELOPMENT	I6-9210	SB-I6-9210-02	6/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
DEVELOPMENT	I6-9210	SB-I6-9210-03	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I6-9210	SB-I6-9210-03	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	I6-9210	SB-I6-9210-03	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I6-9210	SB-I6-9210-03	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	I6-E3	SB-I6-E3-04	6/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-E3	SB-I6-E3-04	6/21/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-E3	SB-I6-E3-04	6/21/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-E3	SB-I6-E3-05	3/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	I6-E3	SB-I6-E3-05	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	I6-E3	SB-I6-E3-05	3/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	I6-E3	SB-I6-E3-05	3/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	I6-E4	SB-I6-E4-01	7/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
DEVELOPMENT	I6-E4	SB-I6-E4-01	7/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
DEVELOPMENT	I6-E4	SB-I6-E4-01	7/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
DEVELOPMENT	I6-E4	SB-I6-E4-01	7/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
DEVELOPMENT	I6-E4	SB-I6-E4-01	7/14/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**366 U**	0.3	940	4200
DEVELOPMENT	I7-8	SB-I7-8-03	3/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	I7-8	SB-I7-8-03	3/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	I7-8	SB-I7-8-03	3/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	I7-8	SB-I7-8-03	3/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	J5-4	SB-J5-4-01	7/7/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J5-4	SB-J5-4-01	7/7/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J5-4	SB-J5-4-01	7/7/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J5-4	SB-J5-4-01	7/7/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J5-4	SB-J5-4-01	7/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**352 U**	0.3	940	4200
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	J5-5	SB-J5-5-04	4/11/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J5-5	SB-J5-5-04	4/11/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J5-5	SB-J5-5-04	4/11/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-1	SB-J6-1-01	7/7/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-1	SB-J6-1-01	7/7/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-1	SB-J6-1-01	7/7/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-1	SB-J6-1-01	7/7/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-1	SB-J6-1-01	7/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**366 U**	0.3	940	4200
DEVELOPMENT	J6-1	SB-J6-1-04	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-1	SB-J6-1-04	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-1	SB-J6-1-04	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-1	SB-J6-1-04	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-1	SB-J6-1-04	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	J6-2	SB-J6-2-03	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-2	SB-J6-2-03	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-2	SB-J6-2-03	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-2	SB-J6-2-03	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-2	SB-J6-2-03	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
DEVELOPMENT	J6-2245	SB-J6-2245-03	7/7/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-2245	SB-J6-2245-03	7/7/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-2245	SB-J6-2245-03	7/7/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-2245	SB-J6-2245-03	7/7/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-2245	SB-J6-2245-03	7/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**361 U**	0.3	940	4200
DEVELOPMENT	J6-2245	SB-J6-2245-05	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-2245	SB-J6-2245-05	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-2245	SB-J6-2245-05	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-2245	SB-J6-2245-05	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-3	SB-J6-3-02	4/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	J6-6	SB-J6-6-01	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	J6-6	SB-J6-6-01	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	J6-6	SB-J6-6-01	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	J6-6	SB-J6-6-01	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	J6-6	SB-J6-6-01	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DEVELOPMENT	J6-6	SB-J6-6-05	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-6	SB-J6-6-05	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-6	SB-J6-6-05	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-6	SB-J6-6-05	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-6	SB-J6-6-05	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
DEVELOPMENT	J6-8133	SB-J6-8133-01	4/13/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	J6-8133	SB-J6-8133-01	4/13/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	J6-8133	SB-J6-8133-01	4/13/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	J6-8133	SB-J6-8133-01	4/13/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	J6-8133	SB-J6-8133-04	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-8133	SB-J6-8133-04	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-8133	SB-J6-8133-04	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-8133	SB-J6-8133-04	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-8133	SB-J6-8133-05	4/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	J6-8133	SB-J6-8133-05	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	J6-8133	SB-J6-8133-05	4/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	J6-8134	SB-J6-8134-01	4/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-8134	SB-J6-8134-01	4/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-8134	SB-J6-8134-01	4/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-8134	SB-J6-8134-01	4/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-8134	SB-J6-8134-04	4/13/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-8134	SB-J6-8134-04	4/13/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-8134	SB-J6-8134-04	4/13/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-8134	SB-J6-8134-04	4/13/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-8134	SB-J6-8134-04	4/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	J6-8134	SB-J6-8134-05	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-8134	SB-J6-8134-05	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-8134	SB-J6-8134-05	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-8134	SB-J6-8134-05	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-8134	SB-J6-8134-05	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	J6-8136	SB-J6-8136-04	4/11/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**2100 U**	100000	2000	6000
DEVELOPMENT	J6-8136	SB-J6-8136-07	4/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	J6-8167	SB-J6-8167-02	4/11/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	J6-915	SB-J6-915-01	4/11/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	J6-9200	SB-J6-9200-01	7/7/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
DEVELOPMENT	J6-9200	SB-J6-9200-01	7/7/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
DEVELOPMENT	J6-9200	SB-J6-9200-01	7/7/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
DEVELOPMENT	J6-9200	SB-J6-9200-01	7/7/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
DEVELOPMENT	J6-9200	SB-J6-9200-01	7/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**469 U**	0.3	940	4200
DEVELOPMENT	J6-9200	SB-J6-9200-02	4/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-9200	SB-J6-9200-02	4/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-9200	SB-J6-9200-02	4/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	J6-9200	SB-J6-9200-02	4/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-9200	SB-J6-9200-02	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	J6-942A	SB-J6-942A-04	4/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DEVELOPMENT	J6-942A	SB-J6-942A-04	4/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1068 UJ**	1000	79000	1000000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**5600 U**	500000	900	4000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**11000 U**	100000	2000	6000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**5600 UJ**	10000	660	3000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**5600 U**	500000	900	4000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**5600 U**	100000	660	660
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**5600 U**	50000	900	4000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**5600 U**	500000	900	4000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**5600 U**	100000	660	660
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**11000 U**	10000	110000	2100000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**5600 UJ**	100000	1000	21000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**5600 U**	100000	660	2000
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**5600 U**	10000	660	660
DEVELOPMENT	J7-3	SB-J7-3-03	4/18/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**11000 U**	100000	6000	24000
DEVELOPMENT	K5-4	SB-K5-4-01	4/18/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	K5-4	SB-K5-4-02	7/7/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
DEVELOPMENT	K5-9213	SB-K5-9213-03	4/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K5-9213	SB-K5-9213-03	4/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K5-9213	SB-K5-9213-03	4/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K5-9213	SB-K5-9213-03	4/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K5-9213	SB-K5-9213-05	4/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K5-9213	SB-K5-9213-05	4/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K5-9213	SB-K5-9213-05	4/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K5-9213	SB-K5-9213-05	4/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K6-1	SB-K6-1-01	7/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K6-1	SB-K6-1-01	7/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K6-1	SB-K6-1-01	7/13/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K6-1	SB-K6-1-01	7/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K6-1	SB-K6-1-01	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 U**	0.3	940	4200
DEVELOPMENT	K6-1	SB-K6-1-02	9/27/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
DEVELOPMENT	K6-1	SB-K6-1-02	9/27/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
DEVELOPMENT	K6-1	SB-K6-1-02	9/27/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
DEVELOPMENT	K6-1	SB-K6-1-02	9/27/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
DEVELOPMENT	K6-1	SB-K6-1-02	9/27/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
DEVELOPMENT	K6-2	SB-K6-2-02	7/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**366 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.7 U**	NA	2	2
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**950 U**	100000	660	2000
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**950 U**	10000	660	660
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**950 UJ**	500000	900	4000
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**950 UJ**	100000	660	660
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**950 UJ**	500000	900	4000
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**950 UJ**	50000	900	4000
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**950 U**	10000	660	3000
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**950 U**	0.3	940	4200
DEVELOPMENT	K6-529	SB-K6-529-01	7/7/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**485 U**	0.3	940	4200
DEVELOPMENT	K6-529	SB-K6-529-01	7/7/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**485 U**	40	4700	61000
DEVELOPMENT	K6-529	SB-K6-529-01	7/7/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**485 U**	20	7800	100000
DEVELOPMENT	K6-529	SB-K6-529-01	7/7/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**485 U**	40	21000	95000
DEVELOPMENT	K6-529	SB-K6-529-01	7/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
DEVELOPMENT	K6-529	SB-K6-529-02	4/14/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K6-529	SB-K6-529-02	4/14/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K6-529	SB-K6-529-02	4/14/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K6-529	SB-K6-529-02	4/14/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K6-529	SB-K6-529-02	4/14/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	K6-9214	SB-K6-9214-03	4/11/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K6-9214	SB-K6-9214-03	4/11/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K6-9214	SB-K6-9214-03	4/11/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K6-9214	SB-K6-9214-03	4/11/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K6-9214	SB-K6-9214-05	4/11/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DEVELOPMENT	K6-9214	SB-K6-9214-05	4/11/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DEVELOPMENT	K6-9214	SB-K6-9214-05	4/11/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DEVELOPMENT	K6-9214	SB-K6-9214-05	4/11/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DEVELOPMENT	K6-9217	SB-K6-9217-01	4/11/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	K6-9217	SB-K6-9217-01	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	K6-9217	SB-K6-9217-01	4/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	K6-9217	SB-K6-9217-01	4/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	K6-9217	SB-K6-9217-05	4/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	K6-9217	SB-K6-9217-05	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	K6-9217	SB-K6-9217-05	4/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	**10 U**	NA	2	2
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**100 U**	NA	2	2
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
DEVELOPMENT	L5-10	SB-L5-10-05	4/6/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
DEVELOPMENT	L5-1	SB-L5-1-01	7/14/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L5-1	SB-L5-1-01	7/14/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L5-2275	SB-L5-2275-01	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	L5-2275	SB-L5-2275-01	4/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	L5-2275	SB-L5-2275-01	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	L5-2275	SB-L5-2275-01	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	L5-2275	SB-L5-2275-01	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	L5-4	SB-L5-4-02	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L5-4	SB-L5-4-02	4/6/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
DEVELOPMENT	L5-5	SB-L5-5-01	4/28/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
DEVELOPMENT	L5-539	SB-L5-539-03	4/14/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L5-539	SB-L5-539-03	4/14/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L5-539	SB-L5-539-03	4/14/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L5-539	SB-L5-539-03	4/14/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L5-539	SB-L5-539-03	4/14/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	L5-6	SB-L5-6-03	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L5-8	SB-L5-8-05	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DEVELOPMENT	L5-8318	SB-L5-8318-02	4/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DEVELOPMENT	L5-8318	SB-L5-8318-02	4/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DEVELOPMENT	L5-8318	SB-L5-8318-02	4/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
DEVELOPMENT	L5-9546	SB-L5-9546-03	4/14/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 UJ**	100000	6000	24000
DEVELOPMENT	L6-1	SB-L6-1-02	4/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	L6-1	SB-L6-1-07	4/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	L6-3	SB-L6-3-01	7/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**361 U**	0.3	940	4200
DEVELOPMENT	L6-3	SB-L6-3-02	4/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	L6-370	SB-L6-370-03	7/7/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L6-370	SB-L6-370-03	7/7/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	L6-370	SB-L6-370-03	7/7/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L6-370	SB-L6-370-03	7/7/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L6-370	SB-L6-370-03	7/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
DEVELOPMENT	L6-370	SB-L6-370-05	4/13/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L6-370	SB-L6-370-05	4/13/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L6-370	SB-L6-370-05	4/13/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L6-370	SB-L6-370-05	4/13/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L6-370	SB-L6-370-05	4/13/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	L6-371	SB-L6-371-02	7/7/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L6-371	SB-L6-371-02	7/7/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L6-371	SB-L6-371-02	7/7/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L6-371	SB-L6-371-02	7/7/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L6-371	SB-L6-371-02	7/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	L6-4	SB-L6-4-02	4/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 UJ**	0.3	940	4200
DEVELOPMENT	L6-4	SB-L6-4-03	7/7/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 U**	0.3	940	4200
DEVELOPMENT	L6-5	SB-L6-5-01	4/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	L6-5	SB-L6-5-01	4/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	L6-5	SB-L6-5-01	4/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	L6-5	SB-L6-5-01	4/18/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	L6-5	SB-L6-5-01	4/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	L6-5	SB-L6-5-02	7/7/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**485 U**	40	4700	61000
DEVELOPMENT	L6-5	SB-L6-5-02	7/7/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**485 U**	0.3	940	4200
DEVELOPMENT	L6-5	SB-L6-5-02	7/7/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**485 U**	20	7800	100000
DEVELOPMENT	L6-5	SB-L6-5-02	7/7/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**485 U**	40	21000	95000
DEVELOPMENT	L6-5	SB-L6-5-02	7/7/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
DEVELOPMENT	L6-9	SB-L6-9-01	4/11/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**6.6 U**	NA	2	2
DEVELOPMENT	M4-1	SB-M4-1-13	4/6/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
DEVELOPMENT	M5-11	SB-M5-11-02	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DEVELOPMENT	M5-12	SB-M5-12-03	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	M5-13	SB-M5-13-03	4/6/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	M5-14	SB-M5-14-04	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	M5-15	SB-M5-15-01	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DEVELOPMENT	M5-3	SB-M5-3-01	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DEVELOPMENT	M5-3	SB-M5-3-01	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	M5-3	SB-M5-3-01	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**5.7 U**	NA	2	2

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 U**	100000	6000	24000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4000 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 UJ**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 UJ**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 UJ**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4000 UJ**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 UJ**	50000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 UJ**	50000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 UJ**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 UJ**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 UJ**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 UJ**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
DEVELOPMENT	M5-3	SB-M5-3-04	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
DEVELOPMENT	M5-3	SB-M5-3-07	4/6/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**16.1 U**	NA	2	2
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**6.7 U**	NA	2	2
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4800 U**	10000	660	660
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4800 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4800 U**	100000	660	2000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4800 U**	100000	1000	21000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4800 U**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4800 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4800 U**	50000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9500 U**	100000	6000	24000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4800 U**	10000	660	3000
DEVELOPMENT	M5-3	SB-M5-3-11	4/6/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9500 U**	100000	2000	6000
DEVELOPMENT	M5-3	SB-M5-3-16	4/6/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-16	4/6/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	M5-3	SB-M5-3-16	4/6/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DEVELOPMENT	M5-3	SB-M5-3-16	4/6/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 U**	100000	2000	6000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8100 U**	100000	6000	24000
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	METALS	TL	THALLIUM	MG/KG	**6.7 U**	NA	2	2
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4800 U**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9700 U**	100000	6000	24000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4800 U**	10000	660	660
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4800 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4800 U**	100000	660	2000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4800 U**	100000	1000	21000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9700 U**	100000	2000	6000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4800 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4800 U**	10000	660	3000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4800 U**	500000	900	4000
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4800 U**	100000	660	660
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4800 U**	50000	900	4000
DEVELOPMENT	M5-8166	SB-M5-8166-01	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	M5-8166	SB-M5-8166-03	7/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 U**	0.3	940	4200
DEVELOPMENT	M5-8166A	SB-M5-8166A-B-C-01	7/7/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**374 U**	0.3	940	4200
DEVELOPMENT	M5-8166A	SB-M5-8166A-B-C-03	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	M5-8166D	SB-M5-8166D-04	4/7/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	M5-8166E	SB-M5-8166E-01	4/7/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	N4-2	SB-N4-2-01	7/7/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	N4-2	SB-N4-2-01	7/7/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DEVELOPMENT	N4-2	SB-N4-2-01	7/7/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	N4-2	SB-N4-2-01	7/7/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	N4-2	SB-N4-2-02	4/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DEVELOPMENT	N4-2	SB-N4-2-02	4/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	N4-2	SB-N4-2-02	4/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DEVELOPMENT	N4-2	SB-N4-2-02	4/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DEVELOPMENT	N4-2	SB-N4-2-02	4/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DEVELOPMENT	N4-3	SB-N4-3-02	4/6/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	N5-8	SB-N5-8-01	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
DEVELOPMENT	N5-8	SB-N5-8-03	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DEVELOPMENT	N5-8	SB-N5-8-05	4/6/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3910 U**	0.3	940	4200
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3910 U**	100000	660	660
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3910 U**	50000	900	4000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7810 U**	100000	6000	24000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3910 U**	10000	660	660
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3910 U**	500000	900	4000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3910 U**	500000	900	4000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3910 U**	500000	900	4000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3910 U**	100000	1000	21000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3910 U**	100000	660	660
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7810 UJ**	100000	2000	6000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3910 U**	10000	660	3000
DEVELOPMENT	G6-906	TP-G6-906-01	8/17/2000	2 - 2.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1170 UJ**	1000	49000	210000
DEVELOPMENT	G6-906	TP-G6-906-02	8/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4010 U**	0.3	940	4200
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4010 U**	10000	660	3000
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4010 U**	100000	660	660
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8010 UJ**	100000	2000	6000
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8010 U**	100000	6000	24000
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4010 U**	10000	660	660
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4010 U**	500000	900	4000
DEVELOPMENT	G7-2347	TP-G7-2347-02	8/17/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4010 U**	100000	1000	21000
DEVELOPMENT	G7-2347	TP-G7-2347-03	8/17/2000	2 - 2.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1190 UJ**	1000	49000	210000
DEVELOPMENT	G7-8140	TP-G7-8140-05	7/27/2000	8 - 10 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
DEVELOPMENT	G7-8140	TP-G7-8140-05	7/27/2000	8 - 8.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1170 U**	1000	79000	1000000
DEVELOPMENT	H5-1	TP-H5-1-01	8/8/2000	10 - 12 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 UJ**	0.3	940	4200
DEVELOPMENT	H5-3	TP-H5-3-01	8/8/2000	9 - 11 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 UJ**	0.3	940	4200
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**185 U**	40	21000	95000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**185 U**	20	7800	100000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**185 U**	40	4700	61000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**185 U**	0.3	940	4200
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3790 U**	10000	660	3000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7590 U**	100000	6000	24000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3790 U**	10000	660	660
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3790 U**	500000	900	4000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3790 U**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7590 UJ**	100000	2000	6000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3790 U**	500000	900	4000
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3790 U**	0.3	940	4200
DEVELOPMENT	H5-8181	TP-H5-8181-01	8/17/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3790 U**	100000	660	660
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3870 U**	100000	1000	21000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3870 U**	100000	660	660
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7730 U**	100000	6000	24000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3870 U**	500000	900	4000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7730 UJ**	100000	2000	6000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3870 U**	500000	900	4000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3870 U**	50000	900	4000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3870 U**	10000	660	3000
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3870 U**	0.3	940	4200
DEVELOPMENT	H5-8181	TP-H5-8181-03	8/17/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3870 U**	10000	660	660
DEVELOPMENT	H6-10	TP-H6-10-A	7/26/2000	10 - 12 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
DEVELOPMENT	H6-10	TP-H6-10-A	7/26/2000	10 - 10.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1030 U**	1000	79000	1000000
DEVELOPMENT	H6-11A	TP-H6-11A	7/26/2000	4 - 6 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**406 U**	0.3	940	4200
DEVELOPMENT	H6-11A	TP-H6-11A	7/26/2000	4 - 4.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1050 U**	1000	79000	1000000
DEVELOPMENT	H6-8152A/8152B	TP-H6-8152A/8152B	7/27/2000	7 - 9 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**371 U**	0.3	940	4200
DEVELOPMENT	H6-8152A/8152B	TP-H6-8152A/8152B	7/27/2000	7 - 7.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1020 U**	1000	79000	1000000
DEVELOPMENT	H6-8285	TP-H6-8285-12	7/26/2000	5.5 - 7.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
DEVELOPMENT	H6-8285	TP-H6-8285-12	7/26/2000	5.5 - 6.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1090 U**	1000	79000	1000000
DEVELOPMENT	H7-1	TP-H7-1-01	8/9/2000	7.5 - 9.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
DEVELOPMENT	H7-1	TP-H7-1-01	8/9/2000	7.5 - 9.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
DEVELOPMENT	H7-1	TP-H7-1-01	8/9/2000	7.5 - 9.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
DEVELOPMENT	H7-1	TP-H7-1-01	8/9/2000	7.5 - 9.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
DEVELOPMENT	H7-1	TP-H7-1-01	8/9/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
DEVELOPMENT	H7-12	TP-H7-12-01	7/27/2000	7 - 9 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**352 U**	0.3	940	4200
DEVELOPMENT	H7-12	TP-H7-12-01	7/27/2000	7 - 7.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5580 U**	1000	1000	5000
DEVELOPMENT	H7-12	TP-H7-12-01	7/27/2000	7 - 7.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1120 U**	1000	79000	1000000
DEVELOPMENT	M5-10	TP-M5-10-01	8/8/2000	4 - 6 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
DIAZO	H8-2181	SB-H8-2181-01	6/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DIAZO	H8-2181	SB-H8-2181-01	6/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DIAZO	H8-2181	SB-H8-2181-01	6/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DIAZO	H8-2181	SB-H8-2181-01	6/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DIAZO	H8-2181	SB-H8-2181-01	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 U**	0.3	940	4200
DIAZO	H8-2181	SB-H8-2181-05	6/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DIAZO	H8-2181	SB-H8-2181-05	6/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DIAZO	H8-2181	SB-H8-2181-05	6/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DIAZO	H8-2181	SB-H8-2181-05	6/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DIAZO	H8-2181	SB-H8-2181-05	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**437 U**	0.3	940	4200
DIAZO	H8-69F	SB-H8-69F-01	6/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
DIAZO	H8-69F	SB-H8-69F-02	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
DIAZO	H8-9121	SB-H8-9121-02	6/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 U**	0.3	940	4200
DIAZO	H8-9121	SB-H8-9121-04	9/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
DIAZO	H8-9328	SB-H8-9328-05	6/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DIAZO	H8-9328	SB-H8-9328-05	6/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DIAZO	H8-9328	SB-H8-9328-05	6/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DIAZO	H8-9328	SB-H8-9328-05	6/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DIAZO	H8-9328	SB-H8-9328-06	6/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DIAZO	H8-9328	SB-H8-9328-06	6/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DIAZO	H8-9328	SB-H8-9328-06	6/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DIAZO	H8-9328	SB-H8-9328-06	6/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	B12-422	SB-B12-422-04	6/22/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	B12-422	SB-B12-422-04	6/22/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	B12-422	SB-B12-422-04	6/22/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	B12-422	SB-B12-422-04	6/22/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	B12-422	SB-B12-422-04	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200
DYNAMITE	B12-422	SB-B12-422-06	11/3/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	B12-422	SB-B12-422-06	11/3/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	B12-422	SB-B12-422-06	11/3/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	B12-422	SB-B12-422-06	11/3/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	B12-422	SB-B12-422-06	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	B13-262A	SB-B13-262A-01	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	B13-262A	SB-B13-262A-01	11/2/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	B13-262A	SB-B13-262A-01	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	B13-262A	SB-B13-262A-01	11/2/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	B13-262A	SB-B13-262A-01	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
DYNAMITE	B13-262A	SB-B13-262A-05	11/2/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	B13-262A	SB-B13-262A-05	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	B13-262A	SB-B13-262A-05	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	B13-7	SB-B13-7-01	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	B13-7	SB-B13-7-06	11/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**500 U**	0.3	940	4200
DYNAMITE	B14-128	SB-B14-128-01	11/3/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	B14-128	SB-B14-128-01	11/3/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	B14-128	SB-B14-128-01	11/3/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	B14-128	SB-B14-128-01	11/3/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	B14-128	SB-B14-128-01	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 UJ**	0.3	940	4200
DYNAMITE	B14-128	SB-B14-128-02	7/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**498 U**	40	4700	61000
DYNAMITE	B14-128	SB-B14-128-02	7/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**498 U**	20	7800	100000
DYNAMITE	B14-128	SB-B14-128-02	7/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**498 U**	40	21000	95000
DYNAMITE	B14-128	SB-B14-128-02	7/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**498 U**	0.3	940	4200

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	B14-128	SB-B14-128-02	7/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
DYNAMITE	B14-3	SB-B14-3-02	7/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**397 U**	0.3	940	4200
DYNAMITE	B14-3	SB-B14-3-05	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DYNAMITE	C12-1	SB-C12-1-03	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DYNAMITE	C12-1	SB-C12-1-04	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DYNAMITE	C12-274	SB-C12-274-01	10/21/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	C12-274	SB-C12-274-01	10/21/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	C12-274	SB-C12-274-01	10/21/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	C12-274	SB-C12-274-01	10/21/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	C12-274	SB-C12-274-01	10/21/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DYNAMITE	C12-274	SB-C12-274-05	10/21/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	C12-274	SB-C12-274-05	10/21/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	C12-274	SB-C12-274-05	10/21/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	C12-275	SB-C12-275-01	6/22/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
DYNAMITE	C12-275	SB-C12-275-02	10/20/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	C12-275	SB-C12-275-02	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	C12-3	SB-C12-3-03	10/19/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**57.7 U**	NA	2	2
DYNAMITE	C12-3	SB-C12-3-03	10/19/1999	0 - 2 ft.	METALS	SB	ANTIMONY	MG/KG	**28.8 UJ**	NA	14	340
DYNAMITE	C12-3	SB-C12-3-03	10/19/1999	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	**17.3 U**	NA	2	2
DYNAMITE	C12-3	SB-C12-3-03	10/19/1999	0 - 2 ft.	METALS	AS	ARSENIC	MG/KG	**28.8 U**	NA	20	20
DYNAMITE	C12-3	SB-C12-3-03	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	C12-4	SB-C12-4-01	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C12-418	SB-C12-418-01	9/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
DYNAMITE	C12-418	SB-C12-418-01	9/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
DYNAMITE	C12-418	SB-C12-418-01	9/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
DYNAMITE	C12-418	SB-C12-418-01	9/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
DYNAMITE	C12-418	SB-C12-418-01	9/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**396 U**	0.3	940	4200
DYNAMITE	C12-418	SB-C12-418-04	7/12/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**192.3 U**	40	4700	61000
DYNAMITE	C12-418	SB-C12-418-04	7/12/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**192.3 U**	40	21000	95000
DYNAMITE	C12-418	SB-C12-418-04	7/12/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**192.3 U**	20	7800	100000
DYNAMITE	C12-5	SB-C12-5-02	10/20/1999	0 - 2 ft.	METALS	AS	ARSENIC	MG/KG	**23.6 U**	NA	20	20
DYNAMITE	C12-5	SB-C12-5-02	10/20/1999	0 - 2 ft.	METALS	SB	ANTIMONY	MG/KG	**23.6 UJ**	NA	14	340
DYNAMITE	C12-5	SB-C12-5-02	10/20/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**47.2 U**	NA	2	2
DYNAMITE	C12-5	SB-C12-5-02	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C12-8229	SB-C12-8229-01	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
DYNAMITE	C12-8229	SB-C12-8229-03	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-1	SB-C13-1-01	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C13-1	SB-C13-1-08	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-1	SB-C13-1-11	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-1	SB-C13-1-17	11/2/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**4200 U**	0.3	940	4200
DYNAMITE	C13-1	SB-C13-1-17	11/2/1999	0 - 2 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	**8300 U**	NA	5800	26000
DYNAMITE	C13-1	SB-C13-1-17	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**4200 U**	40	4700	61000
DYNAMITE	C13-1	SB-C13-1-17	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**4200 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	C13-133	SB-C13-133-03	7/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**442 U**	0.3	940	4200
DYNAMITE	C13-133	SB-C13-133-05	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-01	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-02	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-03	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-04	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-05	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-06	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-07	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-08	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-09	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4000 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4000 U**	100000	660	660
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 U**	50000	900	4000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**20000 U**	10000	110000	2100000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**20000 U**	100000	6000	24000
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-10	10/29/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
DYNAMITE	C13-2	SB-C13-2-11	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-12	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-13	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**20000 U**	10000	110000	2100000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**20000 U**	100000	6000	24000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 U**	100000	2000	6000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
DYNAMITE	C13-2	SB-C13-2-14	10/29/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
DYNAMITE	C13-2	SB-C13-2-15	4/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-16	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-17	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-18	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-19	4/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C13-2	SB-C13-2-20	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-262B	SB-C13-262B-01	11/1/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	C13-262B	SB-C13-262B-01	11/1/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	C13-262B	SB-C13-262B-01	11/1/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	C13-262B	SB-C13-262B-01	11/1/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	C13-262B	SB-C13-262B-01	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
DYNAMITE	C13-262B	SB-C13-262B-05	11/1/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	C13-262B	SB-C13-262B-05	11/1/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	C13-262B	SB-C13-262B-05	11/1/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	C13-262B	SB-C13-262B-05	11/1/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	C13-262B	SB-C13-262B-05	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
DYNAMITE	C13-263C	SB-C13-263C-01	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**37000 U**	100000	6000	24000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**7400 U**	10000	660	660
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**7400 U**	100000	660	2000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**7400 U**	10000	660	3000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**15000 U**	100000	2000	6000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**7400 U**	100000	6000	100000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**37000 U**	10000	110000	2100000
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**7400 U**	0.3	940	4200
DYNAMITE	C13-282B	SB-C13-282B-03	11/1/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**7400 U**	100000	1000	21000
DYNAMITE	C13-3	SB-C13-3-02	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	C13-3	SB-C13-3-02	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	C13-3	SB-C13-3-02	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	C13-3	SB-C13-3-02	11/4/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	C13-3	SB-C13-3-02	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DYNAMITE	C13-742	SB-C13-742-01	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	C13-742	SB-C13-742-01	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	C13-742	SB-C13-742-01	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	C13-742	SB-C13-742-01	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	C13-742	SB-C13-742-01	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C13-742	SB-C13-742-05	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	C13-742	SB-C13-742-05	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	C13-742	SB-C13-742-05	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	C13-742	SB-C13-742-05	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	C13-742	SB-C13-742-05	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	C14-1	SB-C14-1-05	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
DYNAMITE	C14-121	SB-C14-121-03	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	C14-121	SB-C14-121-04	7/6/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**392 U**	0.3	940	4200
DYNAMITE	C14-125	SB-C14-125-01	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
DYNAMITE	C14-125	SB-C14-125-04	7/6/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DYNAMITE	C14-2	SB-C14-2-03	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 UJ**	0.3	940	4200
DYNAMITE	C14-4	SB-C14-4-01	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**429000 U**	500000	900	4000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	HCCP	HEXACHLOROCYCLOPENTADIENE	UG/KG	**429000 U**	100000	400000	7300000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	ISOP	ISOPHORONE	UG/KG	**429000 U**	50000	1100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**429000 U**	100000	6000	100000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	NAPH	NAPHTHALENE	UG/KG	**429000 U**	100000	230000	4200000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	NBZME4	4-NITROTOLUENE	UG/KG	**859000 U**	NA	780000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**429000 U**	500000	900	4000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**429000 U**	10000	660	660
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	TCP246	2,4,6-TRICHLOROPHENOL	UG/KG	**429000 U**	10000	62000	270000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**859000 U**	100000	6000	24000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	PHENOL	PHENOL	UG/KG	**429000 U**	50000	10000000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	PYR	PYRENE	UG/KG	**429000 U**	100000	1700000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	NO2BZ	NITROBENZENE	UG/KG	**429000 U**	10000	39000	510000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	TCB124	1,2,4-TRICHLOROBENZENE	UG/KG	**429000 U**	100000	68000	1200000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DNOP	DI-n-OCTYLPHTHALATE	UG/KG	**429000 U**	100000	1100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	NG	NITROGLYCERIN	UG/KG	**429000 U**	NA	46000	200000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	CHRYSENE	CHRYSENE	UG/KG	**429000 U**	500000	9000	40000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	FL	FLUORENE	UG/KG	**429000 U**	100000	2300000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**429000 U**	100000	1000	21000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**429000 U**	10000	660	3000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BBP	BENZYL BUTYL PHTHALATE	UG/KG	**429000 U**	100000	1100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	ANTH	ANTHRACENE	UG/KG	**429000 U**	100000	10000000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	ACNP	ACENAPHTHENE	UG/KG	**429000 U**	100000	3400000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**429000 U**	100000	660	660
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**429000 U**	50000	900	4000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BIS2EHP	bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	**429000 U**	100000	49000	210000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	C4M3PH	4-CHLORO-3-METHYLPHENOL	UG/KG	**429000 U**	100000	10000000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BIS2CIE	bis(2-CHLOROISOPROPYL) ETHER	UG/KG	**429000 U**	10000	2300000	10000000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	CLPH2	2-CHLOROPHENOL	UG/KG	**429000 U**	10000	280000	5200000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**429000 U**	100000	660	660
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DNBP	DI-n-BUTYL PHTHALATE	UG/KG	**429000 U**	100000	5700000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DCBZ12	1,2-DICHLOROBENZENE	UG/KG	**429000 U**	50000	5100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DCBZ13	1,3-DICHLOROBENZENE	UG/KG	**429000 U**	100000	5100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DCBZ14	1,4-DICHLOROBENZENE	UG/KG	**429000 U**	100000	570000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DCP24	2,4-DICHLOROPHENOL	UG/KG	**429000 U**	10000	170000	3100000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DEPH	DIETHYL PHTHALATE	UG/KG	**429000 U**	50000	10000000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DMP24	2,4-DIMETHYLPHENOL	UG/KG	**429000 U**	10000	1100000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DMPH	DIMETHYL PHTHALATE	UG/KG	**429000 U**	50000	10000000	10000000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**859000 U**	100000	2000	6000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**429000 U**	500000	900	4000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**859000 U**	10000	110000	2100000
DYNAMITE	C14-4	SB-C14-4-03	7/6/2000	0 - 2 ft.	SVOC	FLA	FLUORANTHENE	UG/KG	**429000 U**	100000	2300000	10000000
DYNAMITE	D11-208A	SB-D11-208A-01	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	D11-7	SB-D11-7-01	10/27/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
DYNAMITE	D11-7	SB-D11-7-01	10/27/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
DYNAMITE	D11-7	SB-D11-7-01	10/27/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
DYNAMITE	D11-7	SB-D11-7-01	10/27/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
DYNAMITE	D11-7	SB-D11-7-01	10/27/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**630 U**	0.3	940	4200
DYNAMITE	D11-7	SB-D11-7-02	6/22/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D11-7	SB-D11-7-02	6/22/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D11-7	SB-D11-7-02	6/22/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D11-7	SB-D11-7-02	6/22/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D11-7	SB-D11-7-02	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**431 U**	0.3	940	4200
DYNAMITE	D11-B232	SB-D11-B232-06	6/22/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238.1 U**	40	21000	95000
DYNAMITE	D11-B232	SB-D11-B232-06	6/22/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
DYNAMITE	D11-B232	SB-D11-B232-07	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	D11-B232	SB-D11-B232-07	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	D11-B232	SB-D11-B232-07	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	D11-B232	SB-D11-B232-07	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	D11-B232	SB-D11-B232-07	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**550 U**	0.3	940	4200
DYNAMITE	D12-1	SB-D12-1-01	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**423 U**	0.3	940	4200
DYNAMITE	D12-1	SB-D12-1-02	10/27/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DYNAMITE	D12-2073	SB-D12-2073-01	6/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D12-2073	SB-D12-2073-01	6/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D12-2073	SB-D12-2073-01	6/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D12-2073	SB-D12-2073-01	6/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D12-2073	SB-D12-2073-01	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**478 U**	0.3	940	4200
DYNAMITE	D12-2073	SB-D12-2073-03	10/22/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D12-2073	SB-D12-2073-03	10/22/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D12-2073	SB-D12-2073-03	10/22/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D12-2073	SB-D12-2073-03	10/22/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
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Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	D12-2073	SB-D12-2073-03	10/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 UJ**	0.3	940	4200
DYNAMITE	D12-208D	SB-D12-208D-01	6/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DYNAMITE	D12-208D	SB-D12-208D-01	6/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DYNAMITE	D12-208D	SB-D12-208D-01	6/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DYNAMITE	D12-208D	SB-D12-208D-01	6/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DYNAMITE	D12-208D	SB-D12-208D-01	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**472 U**	0.3	940	4200
DYNAMITE	D12-208D	SB-D12-208D-03	10/22/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	D12-208D	SB-D12-208D-03	10/22/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	D12-208D	SB-D12-208D-03	10/22/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	D12-208D	SB-D12-208D-03	10/22/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	D12-208D	SB-D12-208D-03	10/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	D12-209B	SB-D12-209B-02	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**740 U**	0.3	940	4200
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**740 U**	10000	660	660
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**740 U**	100000	660	2000
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**740 U**	100000	660	660
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**740 U**	10000	660	3000
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**740 U**	100000	660	660
DYNAMITE	D12-286A	SB-D12-286A-04	10/22/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
DYNAMITE	D12-286A	SB-D12-286A-04	10/22/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
DYNAMITE	D12-286A	SB-D12-286A-04	10/22/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
DYNAMITE	D12-286A	SB-D12-286A-04	10/22/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
DYNAMITE	D12-286A	SB-D12-286A-04	10/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	D12-289	SB-D12-289-03	10/22/1999	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	D12-289	SB-D12-289-03	10/22/1999	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	D12-289	SB-D12-289-03	10/22/1999	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	D12-289	SB-D12-289-03	10/22/1999	0 - 1.25 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.54 UJ**	NA	2	2
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**895 U**	0.3	940	4200
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**895 U**	10000	660	3000
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**895 U**	100000	660	660
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**895 U**	100000	660	660
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**895 U**	10000	660	660
DYNAMITE	D12-3	SB-D12-3-04	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	D12-3	SB-D12-3-04	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	D12-3	SB-D12-3-04	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	D12-3	SB-D12-3-04	11/4/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	D12-3	SB-D12-3-04	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**500 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	D13-264A	SB-D13-264A-03	6/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D13-264A	SB-D13-264A-03	6/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D13-264A	SB-D13-264A-03	6/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D13-264A	SB-D13-264A-03	6/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D13-264A	SB-D13-264A-03	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	D13-264A	SB-D13-264A-05	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D13-264A	SB-D13-264A-05	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D13-264A	SB-D13-264A-05	11/4/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D13-264A	SB-D13-264A-05	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D13-264A	SB-D13-264A-05	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
DYNAMITE	D13-264B	SB-D13-264B-03	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	D13-264B	SB-D13-264B-03	11/2/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	D13-264B	SB-D13-264B-03	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	D13-264B	SB-D13-264B-05	11/2/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	D13-264B	SB-D13-264B-05	11/2/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	D13-264B	SB-D13-264B-05	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	D13-264B	SB-D13-264B-05	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	D13-264B	SB-D13-264B-05	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	D13-265A	SB-D13-265A-06	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	D13-265A	SB-D13-265A-06	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	D13-265A	SB-D13-265A-06	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	D13-265A	SB-D13-265A-06	11/4/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	D13-265A	SB-D13-265A-06	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	D13-268	SB-D13-268-01	11/3/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	D13-268	SB-D13-268-01	11/3/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	D13-268	SB-D13-268-01	11/3/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	D13-268	SB-D13-268-01	11/3/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	D13-268	SB-D13-268-01	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	D13-273B	SB-D13-273B-02	11/2/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	D13-273B	SB-D13-273B-02	11/2/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D13-273B	SB-D13-273B-02	11/2/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D13-273B	SB-D13-273B-02	11/2/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D13-273B	SB-D13-273B-02	11/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DYNAMITE	D13-273B	SB-D13-273B-04	7/6/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**490 U**	40	4700	61000
DYNAMITE	D13-273B	SB-D13-273B-04	7/6/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**490 U**	40	21000	95000
DYNAMITE	D13-273B	SB-D13-273B-04	7/6/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**490 U**	20	7800	100000
DYNAMITE	D13-273B	SB-D13-273B-04	7/6/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**490 U**	0.3	940	4200
DYNAMITE	D13-273B	SB-D13-273B-04	7/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
DYNAMITE	D13-3	SB-D13-3-02	6/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D13-3	SB-D13-3-02	6/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D13-3	SB-D13-3-02	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**416 U**	0.3	940	4200
DYNAMITE	D13-303F	SB-D13-303F-02	11/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**720 U**	0.3	940	4200
DYNAMITE	D13-303F	SB-D13-303F-02	11/4/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**720 U**	10000	660	3000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	D13-303F	SB-D13-303F-02	11/4/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**720 U**	10000	660	660
DYNAMITE	D13-303F	SB-D13-303F-02	11/4/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**720 U**	100000	660	2000
DYNAMITE	D13-303F	SB-D13-303F-02	11/4/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**720 U**	100000	660	660
DYNAMITE	D13-3	SB-D13-3-04	11/3/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	D13-3	SB-D13-3-04	11/3/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	D13-3	SB-D13-3-04	11/3/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	D13-3	SB-D13-3-04	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	D14-120	SB-D14-120-04	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	D14-129	SB-D14-129-05	11/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	D14-204B	SB-D14-204B-04	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	D14-204B	SB-D14-204B-04	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	D14-204B	SB-D14-204B-04	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	D14-204B	SB-D14-204B-04	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	D14-360	SB-D14-360-01	7/6/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**399 U**	0.3	940	4200
DYNAMITE	D14-6	SB-D14-6-01	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 UJ**	0.3	940	4200
DYNAMITE	D14-667	SB-D14-667-03	10/22/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**2100 U**	0.3	940	4200
DYNAMITE	D14-667	SB-D14-667-03	10/22/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**2100 U**	20	7800	100000
DYNAMITE	E10-1	SB-E10-1-05	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	E10-1	SB-E10-1-05	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	E10-1	SB-E10-1-05	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	E10-1	SB-E10-1-18	11/4/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	E10-1	SB-E10-1-18	11/4/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	E10-1	SB-E10-1-18	11/4/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	E10-1	SB-E10-1-18	11/4/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	E10-2	SB-E10-2-03	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E10-2	SB-E10-2-03	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E10-2	SB-E10-2-03	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E10-2	SB-E10-2-03	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E10-2	SB-E10-2-03	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**409 U**	0.3	940	4200
DYNAMITE	E10-3	SB-E10-3-02	7/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
DYNAMITE	E10-3	SB-E10-3-02	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	E10-3	SB-E10-3-02	7/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E10-3	SB-E10-3-02	7/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	E10-3	SB-E10-3-02	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	E10-3	SB-E10-3-02	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	E10-3	SB-E10-3-02	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	E10-3	SB-E10-3-02	7/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E10-3	SB-E10-3-02	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E11-1	SB-E11-1-01	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E11-11	SB-E11-11-02	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**443 U**	0.3	940	4200
DYNAMITE	E11-12	SB-E11-12-02	10/25/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	E11-12	SB-E11-12-02	10/25/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	E11-12	SB-E11-12-02	10/25/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	E11-12	SB-E11-12-02	10/25/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	E11-12	SB-E11-12-04	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 UJ**	0.3	940	4200
DYNAMITE	E11-2	SB-E11-2-02	6/22/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E11-2	SB-E11-2-02	6/22/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E11-2	SB-E11-2-02	6/22/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E11-2	SB-E11-2-02	6/22/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E11-2	SB-E11-2-02	6/22/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**415 U**	0.3	940	4200
DYNAMITE	E11-2	SB-E11-2-03	10/20/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
DYNAMITE	E11-2	SB-E11-2-03	10/20/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
DYNAMITE	E11-2	SB-E11-2-03	10/20/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 UJ**	20	7800	100000
DYNAMITE	E11-2	SB-E11-2-03	10/20/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 UJ**	40	21000	95000
DYNAMITE	E11-2	SB-E11-2-03	10/20/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E11-2064	SB-E11-2064-01	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	E11-2064	SB-E11-2064-01	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	E11-2064	SB-E11-2064-01	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	E11-2064	SB-E11-2064-01	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E11-2064	SB-E11-2064-02	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	E11-2064	SB-E11-2064-02	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	E11-2064	SB-E11-2064-02	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	E11-2064	SB-E11-2064-02	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	E11-2064	SB-E11-2064-02	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	E11-2064	SB-E11-2064-05	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 UJ**	40	4700	61000
DYNAMITE	E11-2064	SB-E11-2064-05	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 UJ**	20	7800	100000
DYNAMITE	E11-2064	SB-E11-2064-05	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 UJ**	40	21000	95000
DYNAMITE	E11-2064	SB-E11-2064-05	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	E11-207B	SB-E11-207B-04	11/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1050 U**	1000	79000	1000000
DYNAMITE	E11-207B	SB-E11-207B-04	11/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2096 UJ**	1000	49000	210000
DYNAMITE	E11-2083	SB-E11-2083-03	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	E11-2083	SB-E11-2083-04	11/30/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217.4 U**	40	4700	61000
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217.4 U**	40	21000	95000
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217.4 U**	20	7800	100000
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217.4 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**5.45 U**	NA	2	2
DYNAMITE	E11-218B	SB-E11-218B-02	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**396 U**	0.3	940	4200
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**95.2 U**	20	7800	100000
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**95.2 U**	40	21000	95000
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**95.2 U**	40	4700	61000
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**95.2 U**	0.3	940	4200
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.08 U**	NA	2	2
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**693 U**	100000	660	2000
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**693 U**	10000	660	660
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**693 U**	10000	660	3000
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**693 U**	100000	660	660
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**693 U**	100000	660	660
DYNAMITE	E11-4	SB-E11-4-01	9/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**693 U**	0.3	940	4200
DYNAMITE	E11-4	SB-E11-4-02	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**192.3 U**	40	4700	61000
DYNAMITE	E11-4	SB-E11-4-02	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**192.3 U**	40	21000	95000
DYNAMITE	E11-4	SB-E11-4-02	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**192.3 U**	20	7800	100000
DYNAMITE	E11-4	SB-E11-4-02	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**192.3 U**	0.3	940	4200
DYNAMITE	E11-4	SB-E11-4-02	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 U**	0.3	940	4200
DYNAMITE	E11-5	SB-E11-5-01	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**475 U**	0.3	940	4200
DYNAMITE	E11-52	SB-E11-52-04	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
DYNAMITE	E11-52	SB-E11-52-04	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
DYNAMITE	E11-52	SB-E11-52-04	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
DYNAMITE	E11-52	SB-E11-52-04	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
DYNAMITE	E11-52	SB-E11-52-04	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 U**	0.3	940	4200
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
DYNAMITE	E11-6	SB-E11-6-02	7/14/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1830 U**	1000	49000	210000
DYNAMITE	E11-6	SB-E11-6-04	7/14/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E11-6	SB-E11-6-04	7/14/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E11-6	SB-E11-6-04	7/14/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E11-6	SB-E11-6-04	7/14/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E11-6	SB-E11-6-04	7/14/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**392 U**	0.3	940	4200
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**13 U**	NA	2	2
DYNAMITE	E11-7	SB-E11-7-02	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**438 U**	0.3	940	4200
DYNAMITE	E11-8228	SB-E11-8228-02	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E11-8228	SB-E11-8228-05	6/22/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**443 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	E11-R2	SB-E11-R2-03	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 UJ**	40	21000	95000
DYNAMITE	E11-R2	SB-E11-R2-03	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 UJ**	40	4700	61000
DYNAMITE	E11-R2	SB-E11-R2-03	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 UJ**	20	7800	100000
DYNAMITE	E11-R2	SB-E11-R2-03	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 UJ**	0.3	940	4200
DYNAMITE	E11-R2	SB-E11-R2-03	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DYNAMITE	E12-130E	SB-E12-130E-02	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
DYNAMITE	E12-130E	SB-E12-130E-03	11/30/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	E12-2081	SB-E12-2081-04	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	E12-2081	SB-E12-2081-05	11/30/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	E12-286B	SB-E12-286B-02	10/19/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	E12-286B	SB-E12-286B-02	10/19/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	E12-286B	SB-E12-286B-02	10/19/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	E12-286B	SB-E12-286B-02	10/19/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	E12-286B	SB-E12-286B-02	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**500 U**	0.3	940	4200
DYNAMITE	E12-286D	SB-E12-286D-05	10/25/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E12-286D	SB-E12-286D-05	10/25/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E12-286D	SB-E12-286D-05	10/25/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E12-286D	SB-E12-286D-05	10/25/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E12-286D	SB-E12-286D-05	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	E12-286D	SB-E12-286D-07	7/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E12-286D	SB-E12-286D-07	7/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E12-286D	SB-E12-286D-07	7/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E12-286D	SB-E12-286D-07	7/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
DYNAMITE	E12-286D	SB-E12-286D-07	7/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**391 U**	0.3	940	4200
DYNAMITE	E12-298B	SB-E12-298B-02	6/22/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**461 U**	0.3	940	4200
DYNAMITE	E12-298B	SB-E12-298B-03	10/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 U**	0.3	940	4200
DYNAMITE	E12-325B	SB-E12-325B-02	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238.1 U**	40	21000	95000
DYNAMITE	E12-325B	SB-E12-325B-02	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
DYNAMITE	E12-325B	SB-E12-325B-02	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
DYNAMITE	E12-325B	SB-E12-325B-02	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238.1 U**	0.3	940	4200
DYNAMITE	E12-325B	SB-E12-325B-02	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	E12-6	SB-E12-6-01	10/20/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DYNAMITE	E12-9317	SB-E12-9317-01	6/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
DYNAMITE	E12-9317	SB-E12-9317-04	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	E13-2040	SB-E13-2040-04	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E13-2040	SB-E13-2040-04	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E13-2040	SB-E13-2040-04	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E13-2040	SB-E13-2040-04	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E13-2040	SB-E13-2040-04	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	E13-2040	SB-E13-2040-07	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E13-2040	SB-E13-2040-07	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E13-2040	SB-E13-2040-07	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E13-2040	SB-E13-2040-07	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	E13-2040	SB-E13-2040-07	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**550 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-01	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	E13-2074	SB-E13-2074-01	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-01	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-06	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	E13-2074	SB-E13-2074-06	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	E13-2074	SB-E13-2074-06	10/26/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	E13-2074	SB-E13-2074-06	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-06	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-09	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	E13-2074	SB-E13-2074-09	10/26/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	E13-2074	SB-E13-2074-09	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	E13-2074	SB-E13-2074-09	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	E13-2074	SB-E13-2074-09	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	E13-2074A	SB-E13-2074A-01	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 UJ**	40	4700	61000
DYNAMITE	E13-2074A	SB-E13-2074A-01	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 UJ**	20	7800	100000
DYNAMITE	E13-2074A	SB-E13-2074A-01	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 UJ**	0.3	940	4200
DYNAMITE	E13-2074A	SB-E13-2074A-01	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**500 U**	0.3	940	4200
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**395 U**	0.3	940	4200
DYNAMITE	E13-2076	SB-E13-2076-02	10/25/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E13-2076	SB-E13-2076-02	10/25/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E13-2076	SB-E13-2076-02	10/25/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E13-2076	SB-E13-2076-02	10/25/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E13-2076	SB-E13-2076-02	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
DYNAMITE	E13-2078	SB-E13-2078-03	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	E13-2078	SB-E13-2078-04	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**399 U**	0.3	940	4200
DYNAMITE	E13-3	SB-E13-3-03	10/25/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**640 U**	0.3	940	4200
DYNAMITE	E13-3	SB-E13-3-05	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
DYNAMITE	E13-3	SB-E13-3-05	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E13-325	SB-E13-325-02	10/25/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E13-325	SB-E13-325-02	10/25/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E13-325	SB-E13-325-02	10/25/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E13-325	SB-E13-325-02	10/25/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E13-5	SB-E13-5-02	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
DYNAMITE	E13-5	SB-E13-5-02	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
DYNAMITE	E13-5	SB-E13-5-02	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
DYNAMITE	E13-5	SB-E13-5-02	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
DYNAMITE	E13-5	SB-E13-5-02	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
DYNAMITE	E13-5	SB-E13-5-03	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	E13-5	SB-E13-5-03	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	E13-5	SB-E13-5-03	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	E13-5	SB-E13-5-03	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	E13-5	SB-E13-5-03	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**471 UJ**	0.3	940	4200
DYNAMITE	E14-2020	SB-E14-2020-03	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E14-668	SB-E14-668-03	10/27/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	E14-668	SB-E14-668-03	10/27/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	E14-668	SB-E14-668-03	10/27/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	E14-668	SB-E14-668-03	10/27/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	E14-668	SB-E14-668-03	10/27/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	E14-668	SB-E14-668-05	10/26/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	E14-668	SB-E14-668-05	10/26/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	E14-668	SB-E14-668-05	10/26/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	E14-668	SB-E14-668-05	10/26/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	E14-668	SB-E14-668-05	10/26/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	F11-54	SB-F11-54-02	10/21/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**560 U**	0.3	940	4200
DYNAMITE	F11-79C	SB-F11-79C-01	10/21/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	F11-79C	SB-F11-79C-01	10/21/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	F11-79C	SB-F11-79C-01	10/21/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	F11-79C	SB-F11-79C-01	10/21/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	F11-79C	SB-F11-79C-01	10/21/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
DYNAMITE	F12-191	SB-F12-191-01	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
DYNAMITE	F12-191	SB-F12-191-02	10/21/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
DYNAMITE	F12-2026A	SB-F12-2026A-05	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
DYNAMITE	F12-2039	SB-F12-2039-01	6/29/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
DYNAMITE	F12-2039	SB-F12-2039-01	6/29/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
DYNAMITE	F12-2039	SB-F12-2039-01	6/29/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
DYNAMITE	F12-2039	SB-F12-2039-01	6/29/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
DYNAMITE	F12-2039	SB-F12-2039-01	6/29/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**416 U**	0.3	940	4200
DYNAMITE	F12-2039	SB-F12-2039-02	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	F12-2039	SB-F12-2039-02	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	F12-2039	SB-F12-2039-02	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	F12-2039	SB-F12-2039-02	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	F12-2039	SB-F12-2039-02	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3600 U**	100000	660	2000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**18000 U**	100000	6000	24000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3600 U**	500000	900	4000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3600 U**	500000	900	4000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3600 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3600 U**	100000	1000	21000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**18000 U**	10000	110000	2100000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7200 U**	100000	2000	6000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3600 U**	100000	660	660
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3600 U**	50000	900	4000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3600 U**	10000	660	660
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3600 U**	100000	660	660
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3600 U**	10000	660	3000
DYNAMITE	F12-2075	SB-F12-2075-03	10/29/1999	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3600 U**	500000	900	4000
DYNAMITE	F12-2075	SB-F12-2075-05	10/29/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	F12-2075	SB-F12-2075-05	10/29/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	F12-2075	SB-F12-2075-05	10/29/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	F12-2075	SB-F12-2075-05	10/29/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
DYNAMITE	F12-2075	SB-F12-2075-05	10/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 U**	10000	110000	2100000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
DYNAMITE	F12-2075A	SB-F12-2075A-03	11/1/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3700 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**18000 U**	10000	110000	2100000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3700 U**	0.3	940	4200
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3700 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3700 U**	100000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7300 U**	100000	2000	6000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3700 U**	100000	1000	21000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3700 U**	100000	660	2000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3700 U**	500000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3700 U**	10000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**18000 U**	100000	6000	24000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3700 U**	100000	660	660
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3700 U**	10000	660	3000
DYNAMITE	F12-2075A	SB-F12-2075A-04	11/1/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3700 U**	50000	900	4000
DYNAMITE	F12-2075A	SB-F12-2075A-05	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	F12-2221	SB-F12-2221-04	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
DYNAMITE	F12-2221	SB-F12-2221-04	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
DYNAMITE	F12-2221	SB-F12-2221-04	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
DYNAMITE	F12-2221	SB-F12-2221-04	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
DYNAMITE	F12-2221	SB-F12-2221-04	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	F12-2221	SB-F12-2221-05	10/28/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
DYNAMITE	F12-2221	SB-F12-2221-05	10/28/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
DYNAMITE	F12-2221	SB-F12-2221-05	10/28/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
DYNAMITE	F12-2221	SB-F12-2221-05	10/28/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
DYNAMITE	F12-2221	SB-F12-2221-05	10/28/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	F12-2221	SB-F12-2221-06	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 UJ**	40	4700	61000
DYNAMITE	F12-2221	SB-F12-2221-06	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 UJ**	40	21000	95000
DYNAMITE	F12-2221	SB-F12-2221-06	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 UJ**	20	7800	100000
DYNAMITE	F12-2221	SB-F12-2221-06	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 UJ**	0.3	940	4200
DYNAMITE	F12-2221	SB-F12-2221-06	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
DYNAMITE	F12-6	SB-F12-6-06	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217.4 U**	40	4700	61000
DYNAMITE	F12-6	SB-F12-6-06	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217.4 U**	40	21000	95000
DYNAMITE	F12-6	SB-F12-6-06	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217.4 U**	0.3	940	4200
DYNAMITE	F12-6	SB-F12-6-06	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217.4 U**	20	7800	100000
DYNAMITE	F12-6	SB-F12-6-06	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**422 U**	0.3	940	4200
DYNAMITE	F12-6	SB-F12-6-12	7/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	F12-6	SB-F12-6-12	7/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	F12-6	SB-F12-6-12	7/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	F12-6	SB-F12-6-12	7/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	F12-6	SB-F12-6-12	7/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
DYNAMITE	F12-8206	SB-F12-8206-03	10/21/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DYNAMITE	F12-R1	SB-F12-R1-01	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DYNAMITE	F13-1	SB-F13-1-01	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
DYNAMITE	F13-1	SB-F13-1-15	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	F13-2077	SB-F13-2077-01	11/1/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	F13-2077	SB-F13-2077-01	11/1/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	F13-2077	SB-F13-2077-01	11/1/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	F13-2077	SB-F13-2077-01	11/1/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	F13-2077	SB-F13-2077-01	11/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DYNAMITE	F13-236B	SB-F13-236B-01	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
DYNAMITE	F13-236B	SB-F13-236B-01	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
DYNAMITE	F13-236B	SB-F13-236B-01	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
DYNAMITE	F13-236B	SB-F13-236B-01	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
DYNAMITE	F13-236B	SB-F13-236B-01	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**429 U**	0.3	940	4200
DYNAMITE	F13-236B	SB-F13-236B-03	10/28/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
DYNAMITE	F13-236B	SB-F13-236B-03	10/28/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
DYNAMITE	F13-236B	SB-F13-236B-03	10/28/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
DYNAMITE	F13-236B	SB-F13-236B-03	10/28/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
DYNAMITE	F13-236B	SB-F13-236B-03	10/28/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
DYNAMITE	F13-8209	SB-F13-8209-02	6/29/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
DYNAMITE	F13-8209	SB-F13-8209-02	6/29/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
DYNAMITE	F13-8209	SB-F13-8209-02	6/29/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
DYNAMITE	F13-8209	SB-F13-8209-02	6/29/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
DYNAMITE	F13-8209	SB-F13-8209-02	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**396 U**	0.3	940	4200
DYNAMITE	F13-8209	SB-F13-8209-03	11/2/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
DYNAMITE	F13-8209	SB-F13-8209-03	11/2/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
DYNAMITE	F13-8209	SB-F13-8209-03	11/2/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
DYNAMITE	F13-8209	SB-F13-8209-03	11/2/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
DYNAMITE	F13-8209	SB-F13-8209-03	11/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
DYNAMITE	F13-8230	SB-F13-8230-02	10/25/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
DYNAMITE	F13-8230	SB-F13-8230-03	6/29/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
DYNAMITE	C12-8229	TP-C12-8229-05	8/8/2000	4.5 - 6.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 UJ**	0.3	940	4200
DYNAMITE	E11-8228	TP-E11-8228-06	8/8/2000	2.5 - 4.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**367 UJ**	0.3	940	4200
DYNAMITE	F12-3	TP-F12-3-01	8/9/2000	5 - 7 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
DYNAMITE	F12-3	TP-F12-3-01	8/9/2000	5 - 7 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
DYNAMITE	F12-3	TP-F12-3-01	8/9/2000	5 - 7 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
DYNAMITE	F12-3	TP-F12-3-01	8/9/2000	5 - 7 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
DYNAMITE	F12-3	TP-F12-3-01	8/9/2000	5 - 7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**367 U**	0.3	940	4200
DYNAMITE	F13-8230	TP-F13-8230-05	8/8/2000	4.5 - 6.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
FINISHING	H7-2172A	SB-H7-2172A-03	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
FINISHING	H7-2172A	SB-H7-2172A-05	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
FINISHING	H7-642B	SB-H7-642B-03	4/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H7-642B	SB-H7-642B-03	4/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	H7-642B	SB-H7-642B-03	4/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H7-642B	SB-H7-642B-03	4/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H7-642B	SB-H7-642B-03	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-01	4/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-01	4/18/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H8-2171	SB-H8-2171-01	4/18/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H8-2171	SB-H8-2171-01	4/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	H8-2171	SB-H8-2171-01	4/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-03	4/18/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
FINISHING	H8-2171	SB-H8-2171-03	4/18/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
FINISHING	H8-2171	SB-H8-2171-03	4/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
FINISHING	H8-2171	SB-H8-2171-03	4/18/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-03	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-05	4/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H8-2171	SB-H8-2171-05	4/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H8-2171	SB-H8-2171-05	4/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H8-2171	SB-H8-2171-05	4/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	H8-2171	SB-H8-2171-05	4/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
FINISHING	H8-2291	SB-H8-2291-02	4/18/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
FINISHING	H8-2291	SB-H8-2291-02	4/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
FINISHING	H8-2291	SB-H8-2291-02	4/18/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
FINISHING	H8-2291	SB-H8-2291-02	4/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
FINISHING	H8-2291	SB-H8-2291-02	4/18/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
FINISHING	H8-2291	SB-H8-2291-04	7/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H8-2291	SB-H8-2291-04	7/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H8-2291	SB-H8-2291-04	7/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	H8-2291	SB-H8-2291-04	7/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H8-2291	SB-H8-2291-04	7/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**384 UJ**	0.3	940	4200
FINISHING	H8-558	SB-H8-558-03	4/20/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	H8-558	SB-H8-558-03	4/20/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H8-558	SB-H8-558-03	4/20/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H8-558	SB-H8-558-03	4/20/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H8-558	SB-H8-558-03	4/20/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	H8-558	SB-H8-558-04	7/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	H8-558	SB-H8-558-04	7/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	H8-558	SB-H8-558-04	7/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	H8-558	SB-H8-558-04	7/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	H8-558	SB-H8-558-04	7/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**401 UJ**	0.3	940	4200
FINISHING	H8-564	SB-H8-564-02	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	H8-564	SB-H8-564-02	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	H8-564	SB-H8-564-02	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	H8-564	SB-H8-564-02	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-1	SB-I10-1-03	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I10-2079	SB-I10-2079-05	7/20/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
FINISHING	I10-2079	SB-I10-2079-05	7/20/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
FINISHING	I10-2079	SB-I10-2079-05	7/20/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 UJ**	0.3	940	4200
FINISHING	I10-2080	SB-I10-2080-02	7/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 UJ**	0.3	940	4200
FINISHING	I10-2121	SB-I10-2121-02	4/28/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-2121	SB-I10-2121-02	4/28/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-2121	SB-I10-2121-02	4/28/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I10-2121	SB-I10-2121-02	4/28/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-2122	SB-I10-2122-03	4/28/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-2122	SB-I10-2122-03	4/28/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-2122	SB-I10-2122-03	4/28/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-2122	SB-I10-2122-03	4/28/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-2155	SB-I10-2155-02	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-2155	SB-I10-2155-02	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-2155	SB-I10-2155-02	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-2155	SB-I10-2155-02	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-2155	SB-I10-2155-03	7/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
FINISHING	I10-2155	SB-I10-2155-03	7/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
FINISHING	I10-2155	SB-I10-2155-03	7/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
FINISHING	I10-2155	SB-I10-2155-03	7/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
FINISHING	I10-2156	SB-I10-2156-03	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-2156	SB-I10-2156-03	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-2156	SB-I10-2156-03	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-2156	SB-I10-2156-03	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-3	SB-I10-3-02	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
FINISHING	I10-550	SB-I10-550-02	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
FINISHING	I10-E50	SB-I10-E50-01	7/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I10-E50	SB-I10-E50-01	7/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	I10-E50	SB-I10-E50-01	7/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I10-E50	SB-I10-E50-01	7/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	I10-E50	SB-I10-E50-01	7/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**389 U**	0.3	940	4200
FINISHING	I10-E50	SB-I10-E50-05	4/28/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I10-E50	SB-I10-E50-05	4/28/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I10-E50	SB-I10-E50-05	4/28/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I10-E50	SB-I10-E50-05	4/28/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I10-E50	SB-I10-E50-05	4/28/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
FINISHING	I7-15	SB-I7-15-04	7/19/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
FINISHING	I7-15	SB-I7-15-04	7/19/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
FINISHING	I7-15	SB-I7-15-04	7/19/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
FINISHING	I7-15	SB-I7-15-05	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I7-15	SB-I7-15-05	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124	SB-I7-2124-04	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-2124	SB-I7-2124-04	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2124	SB-I7-2124-04	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124	SB-I7-2124-04	4/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	I7-2124	SB-I7-2124-05	4/20/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124	SB-I7-2124-05	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2124	SB-I7-2124-05	4/20/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-2124	SB-I7-2124-05	4/20/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-2124	SB-I7-2124-05	4/20/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I7-2124	SB-I7-2124-06	4/20/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124	SB-I7-2124-06	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2124	SB-I7-2124-06	4/20/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-2124	SB-I7-2124-06	4/20/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	I7-2124A	SB-I7-2124A-03	4/25/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124A	SB-I7-2124A-03	4/25/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2124A	SB-I7-2124A-03	4/25/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-2124A	SB-I7-2124A-03	4/25/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-2124A	SB-I7-2124A-05	4/25/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2124A	SB-I7-2124A-05	4/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2124A	SB-I7-2124A-05	4/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-2124A	SB-I7-2124A-05	4/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-2133A	SB-I7-2133A-03	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2133A	SB-I7-2133A-03	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-2133A	SB-I7-2133A-03	4/27/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
FINISHING	I7-2305	SB-I7-2305-02	4/20/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-2305	SB-I7-2305-02	4/20/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-2305	SB-I7-2305-02	4/20/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-3	SB-I7-3-03	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-3	SB-I7-3-03	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-3	SB-I7-3-03	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-3	SB-I7-3-03	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-4	SB-I7-4-01	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-4	SB-I7-4-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-4	SB-I7-4-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-4	SB-I7-4-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-4	SB-I7-4-01	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
FINISHING	I7-5	SB-I7-5-03	4/28/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
FINISHING	I7-566	SB-I7-566-02	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-566	SB-I7-566-02	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-566A	SB-I7-566A-01	7/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208 U**	40	21000	95000
FINISHING	I7-566A	SB-I7-566A-01	7/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
FINISHING	I7-566A	SB-I7-566A-01	7/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I7-566A	SB-I7-566A-01	7/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
FINISHING	I7-566A	SB-I7-566A-01	7/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**429 U**	0.3	940	4200
FINISHING	I7-567	SB-I7-567-01	4/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I7-567	SB-I7-567-01	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-567	SB-I7-567-01	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-567	SB-I7-567-01	4/27/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I7-567	SB-I7-567-02	7/19/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**208 U**	40	4700	61000
FINISHING	I7-567	SB-I7-567-02	7/19/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208 U**	20	7800	100000
FINISHING	I7-567	SB-I7-567-02	7/19/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**208 U**	0.3	940	4200
FINISHING	I7-8181	SB-I7-8181-01	4/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
FINISHING	I7-8181	SB-I7-8181-01	4/28/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
FINISHING	I7-8181	SB-I7-8181-04	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6130 UJ**	1000	1000	5000
FINISHING	I7-8181	SB-I7-8181-04	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1230 UJ**	1000	79000	1000000
FINISHING	I7-B59	SB-I7-B59-02	4/20/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I7-B59	SB-I7-B59-02	4/20/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I7-B59	SB-I7-B59-02	4/20/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2138	SB-I8-2138-03	4/20/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
FINISHING	I8-2138	SB-I8-2138-03	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
FINISHING	I8-2170	SB-I8-2170-04	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2170	SB-I8-2170-04	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2170	SB-I8-2170-04	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2170	SB-I8-2170-04	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2170	SB-I8-2170-04	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	I8-2170	SB-I8-2170-05	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2170	SB-I8-2170-05	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2170	SB-I8-2170-05	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2170	SB-I8-2170-05	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2170	SB-I8-2170-05	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
FINISHING	I8-2299	SB-I8-2299-03	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
FINISHING	I8-2299	SB-I8-2299-03	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
FINISHING	I8-2299	SB-I8-2299-03	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
FINISHING	I8-2299	SB-I8-2299-03	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
FINISHING	I8-2299	SB-I8-2299-03	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
FINISHING	I8-2299	SB-I8-2299-05	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238.1 U**	40	21000	95000
FINISHING	I8-2299	SB-I8-2299-05	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
FINISHING	I8-2299	SB-I8-2299-05	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
FINISHING	I8-2299	SB-I8-2299-05	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238.1 U**	0.3	940	4200
FINISHING	I8-2299	SB-I8-2299-05	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
FINISHING	I8-2328	SB-I8-2328-02	4/20/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
FINISHING	I8-2328	SB-I8-2328-02	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
FINISHING	I8-2328	SB-I8-2328-02	4/20/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
FINISHING	I8-2328	SB-I8-2328-02	4/20/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I8-2328	SB-I8-2328-07	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I8-2328	SB-I8-2328-07	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2328	SB-I8-2328-07	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2328	SB-I8-2328-07	4/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I8-2328A	SB-I8-2328A-02	4/20/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2328A	SB-I8-2328A-02	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2328A	SB-I8-2328A-02	4/20/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3660 UJ**	500000	900	4000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7320 UJ**	100000	6000	24000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3660 UJ**	500000	900	4000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3660 UJ**	100000	660	2000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3660 UJ**	100000	1000	21000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7320 UJ**	100000	2000	6000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3660 UJ**	100000	660	660
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3660 UJ**	500000	900	4000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3660 UJ**	100000	660	660
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3660 UJ**	10000	660	3000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3660 UJ**	50000	900	4000
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3660 UJ**	10000	660	660
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3660 UJ**	0.3	940	4200
FINISHING	I8-2332	SB-I8-2332-01	7/19/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
FINISHING	I8-2332	SB-I8-2332-01	7/19/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
FINISHING	I8-2332	SB-I8-2332-01	7/19/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
FINISHING	I8-2332	SB-I8-2332-01	7/19/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
FINISHING	I8-2332	SB-I8-2332-01	7/19/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**407 U**	0.3	940	4200
FINISHING	I8-2332	SB-I8-2332-02	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2332	SB-I8-2332-02	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2332	SB-I8-2332-02	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2332	SB-I8-2332-02	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2332	SB-I8-2332-02	4/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	I8-2333	SB-I8-2333-02	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 UJ**	0.3	940	4200
FINISHING	I8-2333	SB-I8-2333-03	7/19/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
FINISHING	I8-2405	SB-I8-2405-01	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2405	SB-I8-2405-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2405	SB-I8-2405-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2405	SB-I8-2405-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2405	SB-I8-2405-01	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
FINISHING	I8-2405	SB-I8-2405-05	4/20/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2405	SB-I8-2405-05	4/20/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2405	SB-I8-2405-05	4/20/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2405	SB-I8-2405-05	4/20/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I8-2405	SB-I8-2405-05	4/20/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 UJ**	0.3	940	4200
FINISHING	I8-2405	SB-I8-2405-06	4/20/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2405	SB-I8-2405-06	4/20/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2405	SB-I8-2405-06	4/20/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2405	SB-I8-2405-06	4/20/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
FINISHING	I8-2405A	SB-I8-2405A-01	7/19/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
FINISHING	I8-2405A	SB-I8-2405A-01	7/19/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
FINISHING	I8-2405A	SB-I8-2405A-01	7/19/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
FINISHING	I8-2405A	SB-I8-2405A-01	7/19/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
FINISHING	I8-2405A	SB-I8-2405A-01	7/19/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
FINISHING	I8-2405A	SB-I8-2405A-02	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-2405A	SB-I8-2405A-02	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-2405A	SB-I8-2405A-02	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-2405A	SB-I8-2405A-02	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-2405A	SB-I8-2405A-02	4/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	I8-2409	SB-I8-2409-01	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
FINISHING	I8-2409	SB-I8-2409-04	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 UJ**	100000	660	2000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 UJ**	10000	660	660
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7700 UJ**	100000	6000	24000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 UJ**	10000	660	3000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 UJ**	500000	900	4000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 UJ**	100000	2000	6000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 UJ**	100000	1000	21000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 UJ**	500000	900	4000
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 UJ**	100000	660	660
FINISHING	I8-525	SB-I8-525-03	4/20/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 UJ**	0.3	940	4200
FINISHING	I8-525	SB-I8-525-04	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
FINISHING	I8-525	SB-I8-525-04	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
FINISHING	I8-525	SB-I8-525-04	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
FINISHING	I8-525	SB-I8-525-04	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
FINISHING	I8-525	SB-I8-525-04	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 U**	0.3	940	4200
FINISHING	I8-560	SB-I8-560-01	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-560	SB-I8-560-01	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-560	SB-I8-560-01	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-560	SB-I8-560-01	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-560	SB-I8-560-01	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**414 U**	0.3	940	4200
FINISHING	I8-560	SB-I8-560-03	4/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-560	SB-I8-560-03	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I8-560	SB-I8-560-03	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-560	SB-I8-560-03	4/27/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-560	SB-I8-560-03	4/27/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
FINISHING	I8-588E	SB-I8-588E-03	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-588E	SB-I8-588E-03	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-588E	SB-I8-588E-03	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-588E	SB-I8-588E-03	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-588E	SB-I8-588E-06	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-588E	SB-I8-588E-06	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-588E	SB-I8-588E-06	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I8-588E	SB-I8-588E-06	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-8236	SB-I8-8236-05	4/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	I8-9334	SB-I8-9334-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I8-9334	SB-I8-9334-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I8-9334	SB-I8-9334-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7220 U**	100000	2000	6000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3610 U**	100000	1000	21000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3610 U**	500000	900	4000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3610 U**	50000	900	4000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3610 U**	100000	660	660
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7220 U**	100000	6000	24000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3610 U**	10000	660	3000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3610 U**	500000	900	4000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3610 U**	100000	660	660
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3610 U**	100000	660	2000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3610 U**	10000	660	660
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3610 U**	500000	900	4000
FINISHING	I8-9334	SB-I8-9334-02	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3610 U**	0.3	940	4200
FINISHING	I8-F2	SB-I8-F2-01	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
FINISHING	I9-2	SB-I9-2-02	7/19/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**421 U**	0.3	940	4200
FINISHING	I9-2311	SB-I9-2311-01	4/28/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2311	SB-I9-2311-01	4/28/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2311	SB-I9-2311-01	4/28/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2311	SB-I9-2311-06	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2311	SB-I9-2311-06	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2311	SB-I9-2311-06	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2311	SB-I9-2311-06	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-04	4/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2329	SB-I9-2329-04	4/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I9-2329	SB-I9-2329-04	4/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2329	SB-I9-2329-04	4/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-04	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-05	4/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2329	SB-I9-2329-05	4/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2329	SB-I9-2329-05	4/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2329	SB-I9-2329-05	4/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-05	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-06	4/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2329	SB-I9-2329-06	4/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2329	SB-I9-2329-06	4/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2329	SB-I9-2329-06	4/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329	SB-I9-2329-06	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	I9-2329A	SB-I9-2329A-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2329A	SB-I9-2329A-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2329A	SB-I9-2329A-01	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2329A	SB-I9-2329A-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329A	SB-I9-2329A-01	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
FINISHING	I9-2329A	SB-I9-2329A-04	7/19/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-2329A	SB-I9-2329A-04	7/19/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-2329A	SB-I9-2329A-04	7/19/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-2329A	SB-I9-2329A-04	7/19/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-2329A	SB-I9-2329A-04	7/19/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**366 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-01	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-03	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-05	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-07	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-09	4/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-11	4/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	I9-3	SB-I9-3-13	4/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**340 U**	0.3	940	4200
FINISHING	I9-5	SB-I9-5-01	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-5	SB-I9-5-01	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-5	SB-I9-5-01	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-5	SB-I9-5-01	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-5	SB-I9-5-05	7/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	I9-5	SB-I9-5-05	7/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I9-5	SB-I9-5-05	7/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I9-5	SB-I9-5-05	7/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 U**	1000	49000	210000
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
FINISHING	I9-516	SB-I9-516-02	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
FINISHING	I9-516	SB-I9-516-02	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
FINISHING	I9-516	SB-I9-516-02	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
FINISHING	I9-516	SB-I9-516-02	7/19/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
FINISHING	I9-516	SB-I9-516-02	7/19/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**388 U**	0.3	940	4200
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
FINISHING	I9-519	SB-I9-519-03	7/19/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
FINISHING	I9-519	SB-I9-519-03	7/19/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
FINISHING	I9-519	SB-I9-519-03	7/19/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
FINISHING	I9-519	SB-I9-519-03	7/19/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
FINISHING	I9-519	SB-I9-519-03	7/19/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**392 U**	0.3	940	4200
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	I9-520	SB-I9-520-05	7/19/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	I9-520	SB-I9-520-05	7/19/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I9-520	SB-I9-520-05	7/19/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I9-520	SB-I9-520-05	7/19/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	I9-520	SB-I9-520-05	7/19/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
FINISHING	I9-523	SB-I9-523-03	4/28/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	I9-523	SB-I9-523-03	4/28/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	I9-523	SB-I9-523-03	4/28/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-523	SB-I9-523-05	7/19/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I9-523	SB-I9-523-05	7/19/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I9-524	SB-I9-524-01	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	I9-524	SB-I9-524-01	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J10-587B	SB-J10-587B-02	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J10-587B	SB-J10-587B-02	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J10-587B	SB-J10-587B-02	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J10-587B	SB-J10-587B-02	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	J10-587B	SB-J10-587B-02	4/28/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
FINISHING	J6-2340	SB-J6-2340-02	4/27/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J6-2340	SB-J6-2340-02	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J6-2340	SB-J6-2340-02	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J6-2340	SB-J6-2340-02	4/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J6-2340	SB-J6-2340-02	4/27/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
FINISHING	J6-2340	SB-J6-2340-04	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J6-2340	SB-J6-2340-04	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J6-2340	SB-J6-2340-04	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J6-2340	SB-J6-2340-04	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J6-2340	SB-J6-2340-04	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	J7-2	SB-J7-2-03	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2	SB-J7-2-03	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2133	SB-J7-2133-01	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
FINISHING	J7-2133	SB-J7-2133-01	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
FINISHING	J7-2133	SB-J7-2133-06	4/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2133	SB-J7-2133-06	4/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2246	SB-J7-2246-02	7/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**374 U**	0.3	940	4200
FINISHING	J7-2281	SB-J7-2281-02	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-2281	SB-J7-2281-02	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2281	SB-J7-2281-02	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2281	SB-J7-2281-02	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-2281	SB-J7-2281-02	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
FINISHING	J7-2281	SB-J7-2281-05	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2281	SB-J7-2281-05	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-2281	SB-J7-2281-05	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2281B	SB-J7-2281B-01	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	J7-2281B	SB-J7-2281B-03	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2281B	SB-J7-2281B-03	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2281B	SB-J7-2281B-03	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-2281B	SB-J7-2281B-03	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-2281B	SB-J7-2281B-03	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	J7-2281B	SB-J7-2281B-05	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
FINISHING	J7-2282	SB-J7-2282-03	4/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2282	SB-J7-2282-03	4/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2282	SB-J7-2282-03	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-2282	SB-J7-2282-03	4/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-2282	SB-J7-2282-03	4/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
FINISHING	J7-2282	SB-J7-2282-06	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-2282	SB-J7-2282-06	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-2282	SB-J7-2282-06	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-2282	SB-J7-2282-06	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-2282	SB-J7-2282-06	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	J7-241	SB-J7-241-04	7/20/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	J7-241	SB-J7-241-04	7/20/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	J7-241	SB-J7-241-05	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-241	SB-J7-241-05	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-241	SB-J7-241-05	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-8240	SB-J7-8240-01	7/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 U**	0.3	940	4200
FINISHING	J7-8240	SB-J7-8240-02	4/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
FINISHING	J7-8281	SB-J7-8281-02	4/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
FINISHING	J7-F1	SB-J7-F1-01	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J7-F1	SB-J7-F1-01	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J7-F1	SB-J7-F1-01	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J7-F1	SB-J7-F1-01	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J7-F1	SB-J7-F1-01	4/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	J7-F1	SB-J7-F1-02	7/20/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
FINISHING	J8-1	SB-J8-1-01	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J8-1	SB-J8-1-01	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J8-1	SB-J8-1-01	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J8-1	SB-J8-1-01	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J8-1	SB-J8-1-02	7/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
FINISHING	J8-1	SB-J8-1-02	7/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
FINISHING	J8-1	SB-J8-1-02	7/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
FINISHING	J8-1	SB-J8-1-02	7/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
FINISHING	J8-2339	SB-J8-2339-02	4/20/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227.3 U**	0.3	940	4200
FINISHING	J8-2339	SB-J8-2339-02	4/20/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227.3 U**	40	21000	95000
FINISHING	J8-2339	SB-J8-2339-02	4/20/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227.3 U**	40	4700	61000
FINISHING	J8-2339	SB-J8-2339-02	4/20/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227.3 U**	20	7800	100000
FINISHING	J8-2339	SB-J8-2339-02	4/20/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
FINISHING	J8-2354	SB-J8-2354-01	6/16/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
FINISHING	J8-2354	SB-J8-2354-01	6/16/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
FINISHING	J8-2354	SB-J8-2354-01	6/16/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
FINISHING	J8-2354	SB-J8-2354-01	6/16/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 UJ**	10000	660	660
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 UJ**	100000	660	660
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 UJ**	0.3	940	4200
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 UJ**	500000	900	4000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 UJ**	100000	660	2000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 UJ**	100000	1000	21000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 UJ**	100000	2000	6000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 UJ**	100000	660	660
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 UJ**	50000	900	4000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 UJ**	500000	900	4000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 UJ**	10000	660	3000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 UJ**	500000	900	4000
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7600 UJ**	100000	6000	24000
FINISHING	J8-2354	SB-J8-2354-05	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J8-2354	SB-J8-2354-05	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J8-2354	SB-J8-2354-05	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J8-2354	SB-J8-2354-05	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J8-2354	SB-J8-2354-05	4/20/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 UJ**	0.3	940	4200
FINISHING	J8-2354A	SB-J8-2354A-03	7/20/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
FINISHING	J8-2354A	SB-J8-2354A-03	7/20/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
FINISHING	J8-2354A	SB-J8-2354A-03	7/20/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
FINISHING	J8-2354A	SB-J8-2354A-03	7/20/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
FINISHING	J8-2354A	SB-J8-2354A-04	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J8-2354A	SB-J8-2354A-04	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J8-2354A	SB-J8-2354A-04	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J8-2354A	SB-J8-2354A-04	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J8-8272	SB-J8-8272-02	4/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217.4 U**	40	4700	61000
FINISHING	J8-8272	SB-J8-8272-02	4/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217.4 U**	20	7800	100000
FINISHING	J8-8272	SB-J8-8272-02	4/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217.4 U**	40	21000	95000
FINISHING	J8-8272	SB-J8-8272-02	4/20/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217.4 U**	0.3	940	4200
FINISHING	J9-2111	SB-J9-2111-04	7/20/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
FINISHING	J9-2111	SB-J9-2111-04	7/20/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
FINISHING	J9-2111	SB-J9-2111-05	4/25/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
FINISHING	J9-2111	SB-J9-2111-05	4/25/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
FINISHING	J9-2111	SB-J9-2111-05	4/25/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
FINISHING	J9-2111	SB-J9-2111-05	4/25/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
FINISHING	J9-2142	SB-J9-2142-05	4/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
FINISHING	J9-4	SB-J9-4-03	4/28/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
FINISHING	J9-4	SB-J9-4-03	4/28/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
FINISHING	K6-8273	SB-K6-8273-03	4/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**2500 U**	20	7800	100000
FINISHING	K6-8273	SB-K6-8273-03	4/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**2500 U**	40	4700	61000
FINISHING	K6-8273	SB-K6-8273-03	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2500 U**	40	21000	95000
FINISHING	I8-8236	TP-I8-8236-06	8/8/2000	8 - 10 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 UJ**	0.3	940	4200
FINISHING	I9-2329	TP-I9-2329-07	8/9/2000	6.5 - 8.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
FINISHING	I9-2329	TP-I9-2329-07	8/9/2000	6.5 - 8.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
FINISHING	I9-2329	TP-I9-2329-07	8/9/2000	6.5 - 8.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
FINISHING	I9-2329	TP-I9-2329-07	8/9/2000	6.5 - 8.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
FINISHING	I9-2329	TP-I9-2329-07	8/9/2000	6.5 - 8.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	F10-1	SB-F10-1-01	11/23/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**190 U**	40	4700	61000
MAINTENANCE	F10-1	SB-F10-1-01	11/23/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**190 U**	20	7800	100000
MAINTENANCE	F10-1	SB-F10-1-01	11/23/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**190 U**	0.3	940	4200
MAINTENANCE	F10-1	SB-F10-1-04	11/23/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.9 U**	NA	2	2
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**980 U**	0.3	940	4200
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**980 U**	500000	900	4000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**980 U**	100000	660	660
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**980 U**	50000	900	4000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**980 U**	10000	660	3000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**980 U**	100000	660	660
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**980 U**	10000	660	660
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**980 U**	500000	900	4000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**2000 U**	100000	2000	6000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**980 U**	100000	660	2000
MAINTENANCE	F10-1	SB-F10-1-06	11/23/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**980 U**	500000	900	4000
MAINTENANCE	F10-1	SB-F10-1-07	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
MAINTENANCE	F10-20	SB-F10-20-02	7/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**397 U**	0.3	940	4200
MAINTENANCE	F10-20	SB-F10-20-03	7/12/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238.1 U**	40	21000	95000
MAINTENANCE	F10-20	SB-F10-20-03	7/12/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238.1 U**	40	4700	61000
MAINTENANCE	F10-20	SB-F10-20-03	7/12/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238.1 U**	20	7800	100000
MAINTENANCE	F10-20	SB-F10-20-03	7/12/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238.1 U**	0.3	940	4200
MAINTENANCE	F10-37B	SB-F10-37B-02	12/10/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	F10-37B	SB-F10-37B-02	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
MAINTENANCE	F10-37B	SB-F10-37B-03	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**413 U**	0.3	940	4200
MAINTENANCE	F10-44	SB-F10-44-04	4/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	F10-44	SB-F10-44-05	12/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	F11-2	SB-F11-2-03	12/10/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**9.7 U**	NA	2	2
MAINTENANCE	F11-2	SB-F11-2-03	12/10/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	F11-2	SB-F11-2-03	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
MAINTENANCE	F11-2292	SB-F11-2292-02	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
MAINTENANCE	F11-2292	SB-F11-2292-03	12/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	F11-43	SB-F11-43-02	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**385 U**	0.3	940	4200
MAINTENANCE	F11-43	SB-F11-43-03	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
MAINTENANCE	F11-43	SB-F11-43-03	12/10/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1200 U**	1000	49000	210000
MAINTENANCE	F11-456	SB-F11-456-01	4/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	F11-456	SB-F11-456-02	12/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9000 U**	100000	6000	24000
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4500 UJ**	100000	660	660
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9000 U**	100000	2000	6000
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4500 U**	100000	1000	21000
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4500 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4500 U**	100000	660	2000
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4500 U**	10000	660	660
MAINTENANCE	F11-458	SB-F11-458-01	4/18/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4500 U**	10000	660	3000
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	1.5 - 2.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 U**	1000	49000	210000
MAINTENANCE	F11-8113	SB-F11-8113-02	12/10/1999	1.5 - 2.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
MAINTENANCE	F11-8227	SB-F11-8227-01	12/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	METALS	TL	THALLIUM	MG/KG	**6.6 UN**	NA	2	2
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2600 U**	10000	660	660
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**2600 U**	500000	900	4000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2600 U**	100000	660	2000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2600 U**	100000	1000	21000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**5100 U**	100000	2000	6000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**2600 U**	100000	660	660
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**2600 U**	500000	900	4000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**2600 U**	50000	900	4000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**2600 U**	100000	660	660
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2600 U**	10000	660	3000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**2600 U**	0.3	940	4200
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**2600 U**	500000	900	4000
MAINTENANCE	F11-8227	SB-F11-8227-06	12/15/1999	0 - 10 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	F11-A2	SB-F11-A2-01	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	F12-4	SB-F12-4-01	4/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	F12-4	SB-F12-4-03	12/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	F12-F6	SB-F12-F6-01	4/18/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	F12-F6	SB-F12-F6-02	12/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G10-1	SB-G10-1-02	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-108B	SB-G10-108B-04	11/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-108B	SB-G10-108B-05	11/22/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
MAINTENANCE	G10-13	SB-G10-13-01	7/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**344 U**	0.3	940	4200
MAINTENANCE	G10-13	SB-G10-13-02	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**361 U**	0.3	940	4200
MAINTENANCE	G10-16	SB-G10-16-02	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	G10-172A	SB-G10-172A-01	12/1/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**5.1 U**	NA	2	2
MAINTENANCE	G10-172A	SB-G10-172A-01	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1179 U**	1000	79000	1000000
MAINTENANCE	G10-172A	SB-G10-172A-01	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**3028 U**	1000	49000	210000
MAINTENANCE	G10-172A	SB-G10-172A-03	11/30/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
MAINTENANCE	G10-172A	SB-G10-172A-03	11/30/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
MAINTENANCE	G10-172A	SB-G10-172A-03	11/30/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G10-172A	SB-G10-172A-03	11/30/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
MAINTENANCE	G10-18	SB-G10-18-04	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**356 U**	0.3	940	4200
MAINTENANCE	G10-2008	SB-G10-2008-03	11/30/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-2008	SB-G10-2008-03	11/30/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G10-2008	SB-G10-2008-03	11/30/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-2008	SB-G10-2008-03	11/30/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-2008	SB-G10-2008-03	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G10-2009	SB-G10-2009-03	11/30/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
MAINTENANCE	G10-2009	SB-G10-2009-03	11/30/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
MAINTENANCE	G10-2009	SB-G10-2009-03	11/30/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
MAINTENANCE	G10-2009	SB-G10-2009-03	11/30/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
MAINTENANCE	G10-2009	SB-G10-2009-03	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
MAINTENANCE	G10-2	SB-G10-2-03	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G10-269	SB-G10-269-02	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**394 U**	0.3	940	4200
MAINTENANCE	G10-269	SB-G10-269-03	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**342 U**	0.3	940	4200
MAINTENANCE	G10-271	SB-G10-271-01	7/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**338 U**	0.3	940	4200
MAINTENANCE	G10-271	SB-G10-271-02	9/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 U**	0.3	940	4200
MAINTENANCE	G10-3	SB-G10-3-01	12/15/1999	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**13.5 UN**	NA	2	2
MAINTENANCE	G10-3	SB-G10-3-01	12/15/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
MAINTENANCE	G10-4	SB-G10-4-02	12/14/1999	0 - 0.8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-4	SB-G10-4-02	12/14/1999	0 - 0.8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-4	SB-G10-4-02	12/14/1999	0 - 0.8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G10-4	SB-G10-4-02	12/14/1999	0 - 0.8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-4	SB-G10-4-02	12/14/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G10-4	SB-G10-4-05	12/14/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-4	SB-G10-4-05	12/14/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G10-4	SB-G10-4-05	12/14/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-4	SB-G10-4-05	12/14/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-4	SB-G10-4-05	12/14/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G10-459	SB-G10-459-04	4/18/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-459	SB-G10-459-05	12/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
MAINTENANCE	G10-8106	SB-G10-8106-01	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2523 U**	1000	49000	210000
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**3278 U**	1000	49000	210000
MAINTENANCE	G10-8106	SB-G10-8106-02	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1300 U**	1000	79000	1000000
MAINTENANCE	G10-8106A	SB-G10-8106A-04	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G10-8106B	SB-G10-8106B-04	11/30/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**8.8 U**	NA	2	2
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**3.9 U**	NA	2	2
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 UJ**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 U**	0.3	940	4200
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 U**	100000	2000	6000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**20000 U**	10000	110000	2100000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**20500 U**	100000	6000	24000
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
MAINTENANCE	G10-8108	SB-G10-8108-07	11/23/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
MAINTENANCE	G10-8114	SB-G10-8114-03	12/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	G10-8159	SB-G10-8159-03	12/15/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 UJ**	1000	49000	210000
MAINTENANCE	G10-8159	SB-G10-8159-03	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G10-8159	SB-G10-8159-05	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	G10-8159	SB-G10-8159-06	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 U**	100000	2000	6000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 UJ**	10000	110000	2100000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-02	11/22/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 UJ**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**21000 UJ**	100000	6000	24000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 UJ**	10000	660	660
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 UJ**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 UJ**	100000	660	2000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 UJ**	100000	1000	21000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**21000 UJ**	10000	110000	2100000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 UJ**	10000	660	3000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8200 UJ**	100000	2000	6000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 UJ**	0.3	940	4200
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 UJ**	50000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 UJ**	100000	660	660
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 UJ**	500000	900	4000
MAINTENANCE	G10-8204	SB-G10-8204-05	11/22/1999	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 UJ**	100000	660	660

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G10-8213	SB-G10-8213-07	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-8216	SB-G10-8216-01	7/13/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**352 U**	0.3	940	4200
MAINTENANCE	G10-8216	SB-G10-8216-02	9/27/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
MAINTENANCE	G10-8224	SB-G10-8224-02	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**330 U**	0.3	940	4200
MAINTENANCE	G10-8224	SB-G10-8224-03	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 UJ**	0.3	940	4200
MAINTENANCE	G10-8224	SB-G10-8224-04	11/30/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G10-8501	SB-G10-8501-06	12/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G10-8502	SB-G10-8502-03	12/15/1999	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**9.8 UN**	NA	2	2
MAINTENANCE	G10-8502	SB-G10-8502-03	12/15/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G10-8502	SB-G10-8502-07	12/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G10-8503	SB-G10-8503-03	12/17/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	G10-8503	SB-G10-8503-03	12/17/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1300 U**	1000	49000	210000
MAINTENANCE	G10-8503	SB-G10-8503-03	12/17/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**11 UN**	NA	2	2
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 UJ**	100000	2000	6000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7700 U**	100000	6000	24000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G10-8682	SB-G10-8682-05	12/2/1999	0 - 2 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2800 U**	1000	49000	210000
MAINTENANCE	G10-9100	SB-G10-9100-01	11/22/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-9106A	SB-G10-9106A-01	7/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**341 U**	0.3	940	4200
MAINTENANCE	G10-9515	SB-G10-9515-02	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G11-1	SB-G11-1-01	7/14/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G11-1	SB-G11-1-01	7/14/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G11-1	SB-G11-1-01	7/14/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G11-1	SB-G11-1-01	7/14/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G11-1	SB-G11-1-01	7/14/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**355 U**	0.3	940	4200
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**385 U**	0.3	940	4200
MAINTENANCE	G11-1	SB-G11-1-02	9/27/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1450 U**	1000	79000	1000000
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200

Table 5-53

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Phase I - Site Investigation
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Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G11-2017B	SB-G11-2017B-01	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1200 U**	1000	49000	210000
MAINTENANCE	G11-2017B	SB-G11-2017B-07	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1200 U**	1000	49000	210000
MAINTENANCE	G11-2017B	SB-G11-2017B-08	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
MAINTENANCE	G11-2259	SB-G11-2259-01	12/2/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G11-253	SB-G11-253-01	4/18/2000	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G11-253	SB-G11-253-01	4/18/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G11-253	SB-G11-253-01	4/18/2000	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G11-253	SB-G11-253-01	4/18/2000	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G11-253	SB-G11-253-03	12/2/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**120 UJ**	0.3	940	4200
MAINTENANCE	G11-253	SB-G11-253-03	12/2/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**120 UJ**	20	7800	100000
MAINTENANCE	G11-253	SB-G11-253-03	12/2/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**120 UJ**	40	21000	95000
MAINTENANCE	G11-253	SB-G11-253-03	12/2/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**120 UJ**	40	4700	61000
MAINTENANCE	G11-3	SB-G11-3-01	9/13/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**428 U**	0.3	940	4200
MAINTENANCE	G11-3	SB-G11-3-01	12/9/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1136 U**	1000	79000	1000000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 U**	50000	900	4000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 UJ**	100000	1000	21000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 U**	10000	660	660
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7900 U**	100000	6000	24000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7900 U**	100000	2000	6000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4000 U**	100000	660	660
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4000 U**	500000	900	4000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2900 U**	1000	49000	210000

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Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G11-5	SB-G11-5-02	12/2/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G11-66	SB-G11-66-03	12/9/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1758 U**	1000	49000	210000
MAINTENANCE	G11-66	SB-G11-66-03	12/9/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1543 U**	1000	79000	1000000
MAINTENANCE	G11-66	SB-G11-66-05	12/9/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	G11-66	SB-G11-66-05	12/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1246 U**	1000	49000	210000
MAINTENANCE	G11-66	SB-G11-66-05	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1214 U**	1000	79000	1000000
MAINTENANCE	G11-8208	SB-G11-8208-05	12/10/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G11-8212	SB-G11-8212-04	12/2/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G11-8257	SB-G11-8257-03	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1191 U**	1000	79000	1000000
MAINTENANCE	G11-9300	SB-G11-9300-03	12/7/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G11-9304	SB-G11-9304-05	12/2/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G11-9305	SB-G11-9305-02	12/7/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4200 U**	100000	1000	21000
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4200 U**	10000	660	3000
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4200 U**	100000	660	660
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8400 U**	100000	2000	6000
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4200 U**	100000	660	2000
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4200 U**	10000	660	660
MAINTENANCE	G11-9309	SB-G11-9309-01	12/3/1999	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8400 U**	100000	6000	24000
MAINTENANCE	G11-B86	SB-G11-B86-03	12/3/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G12-12	SB-G12-12-01	12/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G12-12	SB-G12-12-03	4/18/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	G12-252	SB-G12-252-02	4/18/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
MAINTENANCE	G12-252	SB-G12-252-02	4/18/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
MAINTENANCE	G12-252	SB-G12-252-02	4/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
MAINTENANCE	G12-252	SB-G12-252-03	12/10/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G12-252	SB-G12-252-03	12/10/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G12-252	SB-G12-252-03	12/10/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G12-252	SB-G12-252-03	12/10/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G12-6	SB-G12-6-03	6/15/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
MAINTENANCE	G12-6	SB-G12-6-03	6/15/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
MAINTENANCE	G12-6	SB-G12-6-03	6/15/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
MAINTENANCE	G12-6	SB-G12-6-03	6/15/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
MAINTENANCE	G12-6	SB-G12-6-03	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
MAINTENANCE	G12-6	SB-G12-6-04	12/1/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
MAINTENANCE	G12-6	SB-G12-6-04	12/1/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
MAINTENANCE	G12-6	SB-G12-6-04	12/1/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
MAINTENANCE	G12-6	SB-G12-6-04	12/1/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
MAINTENANCE	G12-6	SB-G12-6-04	12/1/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	G12-8109	SB-G12-8109-01	6/15/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
MAINTENANCE	G12-8109	SB-G12-8109-02	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G12-8203	SB-G12-8203-01	12/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 UJ**	0.3	940	4200
MAINTENANCE	G12-8203	SB-G12-8203-03	12/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G8-A12	SB-G8-A12-01	6/15/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	G8-A12	SB-G8-A12-05	12/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G9-1	SB-G9-1-02	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	G9-15	SB-G9-15-01	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
MAINTENANCE	G9-15	SB-G9-15-02	6/15/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**513 U**	0.3	940	4200
MAINTENANCE	G9-2	SB-G9-2-03	11/23/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**5.9 U**	NA	2	2
MAINTENANCE	G9-8105	SB-G9-8105-05	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	G9-8105	SB-G9-8105-05	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5841 U**	1000	1000	5000
MAINTENANCE	G9-8107	SB-G9-8107-02	11/23/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	G9-8107	SB-G9-8107-05	11/23/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	G9-8187	SB-G9-8187-01	12/9/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G9-8187	SB-G9-8187-01	12/9/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G9-8187	SB-G9-8187-01	12/9/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G9-8187	SB-G9-8187-01	12/9/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G9-8187	SB-G9-8187-02	6/15/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
MAINTENANCE	G9-8187	SB-G9-8187-02	6/15/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
MAINTENANCE	G9-8187	SB-G9-8187-02	6/15/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
MAINTENANCE	G9-8187	SB-G9-8187-02	6/15/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
MAINTENANCE	G9-8187	SB-G9-8187-02	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
MAINTENANCE	G9-8205	SB-G9-8205-02	6/15/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**385 U**	0.3	940	4200
MAINTENANCE	G9-8205	SB-G9-8205-05	12/9/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	G9-8207	SB-G9-8207-04	12/2/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G9-8207	SB-G9-8207-04	12/2/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2100 U**	1000	49000	210000
MAINTENANCE	G9-8207	SB-G9-8207-05	12/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	G9-8207	SB-G9-8207-05	12/2/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	G9-8207	SB-G9-8207-05	12/2/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2500 U**	1000	49000	210000
MAINTENANCE	G9-9321	SB-G9-9321-08	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
MAINTENANCE	H10-10	SB-H10-10-06	12/3/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4200 U**	10000	660	660
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4200 U**	100000	660	2000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8300 U**	100000	2000	6000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4200 U**	100000	660	660

Table 5-53

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4200 U**	500000	900	4000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4200 U**	500000	900	4000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4200 U**	10000	660	3000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4200 U**	100000	1000	21000
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4200 U**	0.3	940	4200
MAINTENANCE	H10-10	SB-H10-10-07	12/3/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8300 U**	100000	6000	24000
MAINTENANCE	H10-11	SB-H10-11-05	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1226 U**	1000	79000	1000000
MAINTENANCE	H10-12	SB-H10-12-01	12/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1071 U**	1000	49000	210000
MAINTENANCE	H10-12	SB-H10-12-01	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1276 U**	1000	79000	1000000
MAINTENANCE	H10-14	SB-H10-14-01	12/3/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**476 U**	40	4700	61000
MAINTENANCE	H10-14	SB-H10-14-01	12/3/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**476 U**	40	21000	95000
MAINTENANCE	H10-14	SB-H10-14-02	12/3/1999	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	**11905 U**	NA	4700	61000
MAINTENANCE	H10-14	SB-H10-14-02	12/3/1999	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	**11905 U**	10000	39000	510000
MAINTENANCE	H10-14	SB-H10-14-02	12/3/1999	0 - 2 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	**9524 U**	NA	5800	26000
MAINTENANCE	H10-14	SB-H10-14-02	12/3/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**4762 U**	40	21000	95000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4400 U**	500000	900	4000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4400 U**	100000	660	2000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4400 U**	100000	1000	21000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8800 U**	100000	2000	6000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4400 U**	10000	660	660
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8800 U**	100000	6000	24000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4400 U**	500000	900	4000
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4400 U**	0.3	940	4200
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4400 U**	100000	660	660
MAINTENANCE	H10-154B	SB-H10-154B-03	12/3/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4400 U**	10000	660	3000
MAINTENANCE	H10-16	SB-H10-16-02	12/2/1999	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 UJ**	40	4700	61000
MAINTENANCE	H10-16	SB-H10-16-02	12/2/1999	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 UJ**	20	7800	100000
MAINTENANCE	H10-16	SB-H10-16-02	12/2/1999	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 UJ**	40	21000	95000
MAINTENANCE	H10-17	SB-H10-17-03	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**354 U**	0.3	940	4200
MAINTENANCE	H10-2003	SB-H10-2003-01	12/10/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H10-2003	SB-H10-2003-01	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
MAINTENANCE	H10-2003	SB-H10-2003-01	12/10/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 UJ**	1000	49000	210000
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	H10-2092	SB-H10-2092-03	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2773 U**	1000	49000	210000
MAINTENANCE	H10-262	SB-H10-262-02	12/14/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 U**	1000	79000	1000000
MAINTENANCE	H10-262	SB-H10-262-02	12/14/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1300 U**	1000	49000	210000
MAINTENANCE	H10-267	SB-H10-267-01	12/10/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
MAINTENANCE	H10-267	SB-H10-267-01	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H10-267	SB-H10-267-01	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H10-269	SB-H10-269-03	12/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
MAINTENANCE	H10-269	SB-H10-269-03	12/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
MAINTENANCE	H10-269	SB-H10-269-03	12/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
MAINTENANCE	H10-269	SB-H10-269-03	12/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
MAINTENANCE	H10-269	SB-H10-269-03	12/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H10-502	SB-H10-502-01	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	H10-502	SB-H10-502-01	12/10/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1200 U**	1000	49000	210000
MAINTENANCE	H10-503	SB-H10-503-02	12/14/1999	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**15.1 U**	NA	2	2
MAINTENANCE	H10-503	SB-H10-503-02	12/14/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 U**	1000	79000	1000000
MAINTENANCE	H10-503	SB-H10-503-02	12/14/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1300 U**	1000	49000	210000
MAINTENANCE	H10-68	SB-H10-68-03	12/9/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H10-68	SB-H10-68-03	12/9/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	H10-68	SB-H10-68-03	12/9/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**4 U**	NA	2	2
MAINTENANCE	H10-68	SB-H10-68-03	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1330 U**	1000	79000	1000000
MAINTENANCE	H10-68	SB-H10-68-03	12/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1262 U**	1000	49000	210000
MAINTENANCE	H10-8225	SB-H10-8225-03	12/9/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
MAINTENANCE	H10-8225	SB-H10-8225-03	12/9/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
MAINTENANCE	H10-8225	SB-H10-8225-03	12/9/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
MAINTENANCE	H10-8225	SB-H10-8225-03	12/9/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
MAINTENANCE	H10-8225	SB-H10-8225-03	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	H10-8264	SB-H10-8264-01	7/13/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**363 U**	0.3	940	4200
MAINTENANCE	H10-9000	SB-H10-9000-01	12/8/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H10-9001	SB-H10-9001-03	6/16/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H10-9001	SB-H10-9001-03	6/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	H10-9002	SB-H10-9002-01	12/3/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2900 U**	1000	49000	210000
MAINTENANCE	H10-9002	SB-H10-9002-01	12/3/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4500 U**	100000	1000	21000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4500 U**	100000	660	2000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4500 UJ**	500000	900	4000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9000 U**	100000	2000	6000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9000 U**	100000	6000	24000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4500 UJ**	500000	900	4000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4500 UJ**	10000	660	660
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4500 UJ**	100000	660	660
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4500 U**	10000	660	3000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2200 U**	1000	49000	210000
MAINTENANCE	H10-9002	SB-H10-9002-02	12/3/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	H10-9101	SB-H10-9101-02	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
MAINTENANCE	H10-9101	SB-H10-9101-02	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5952 U**	1000	1000	5000
MAINTENANCE	H10-9101	SB-H10-9101-03	12/14/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H10-9101	SB-H10-9101-03	12/14/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1500 U**	1000	79000	1000000
MAINTENANCE	H10-9101	SB-H10-9101-03	12/14/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1400 U**	1000	49000	210000
MAINTENANCE	H10-9102	SB-H10-9102-03	12/9/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H10-9102	SB-H10-9102-03	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1147 U**	1000	79000	1000000
MAINTENANCE	H10-9103	SB-H10-9103-01	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1238 U**	1000	79000	1000000
MAINTENANCE	H10-9103	SB-H10-9103-01	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2983 U**	1000	49000	210000
MAINTENANCE	H10-9103	SB-H10-9103-03	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**3388 U**	1000	49000	210000
MAINTENANCE	H10-9103	SB-H10-9103-03	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1263 U**	1000	79000	1000000
MAINTENANCE	H10-9103	SB-H10-9103-04	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**4087 U**	1000	79000	1000000
MAINTENANCE	H10-9104	SB-H10-9104-02	12/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H10-9104	SB-H10-9104-02	12/1/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1126 U**	1000	79000	1000000
MAINTENANCE	H10-9104	SB-H10-9104-02	12/1/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2440 U**	1000	49000	210000
MAINTENANCE	H10-9308	SB-H10-9308-02	12/3/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	H10-9308	SB-H10-9308-03	6/15/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-10	SB-H11-10-02	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-10	SB-H11-10-02	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1033 U**	1000	79000	1000000
MAINTENANCE	H11-10	SB-H11-10-02	12/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1030 U**	1000	49000	210000
MAINTENANCE	H11-2	SB-H11-2-02	12/8/1999	0 - 1.3 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
MAINTENANCE	H11-2	SB-H11-2-02	12/8/1999	0 - 1.3 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
MAINTENANCE	H11-2	SB-H11-2-02	12/8/1999	0 - 1.3 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
MAINTENANCE	H11-2	SB-H11-2-02	12/8/1999	0 - 1.3 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
MAINTENANCE	H11-2	SB-H11-2-02	12/8/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H11-2	SB-H11-2-03	6/15/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**249 U**	40	21000	95000
MAINTENANCE	H11-2	SB-H11-2-03	6/15/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**249 U**	20	7800	100000
MAINTENANCE	H11-2	SB-H11-2-03	6/15/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**249 U**	0.3	940	4200
MAINTENANCE	H11-2	SB-H11-2-03	6/15/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**249 U**	40	4700	61000
MAINTENANCE	H11-2	SB-H11-2-03	6/15/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**404 U**	0.3	940	4200
MAINTENANCE	H11-2295	SB-H11-2295-01	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 U**	0.3	940	4200
MAINTENANCE	H11-2295	SB-H11-2295-02	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	H11-2319	SB-H11-2319-02	6/23/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**427 U**	0.3	940	4200
MAINTENANCE	H11-2319	SB-H11-2319-02	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5896 U**	1000	1000	5000
MAINTENANCE	H11-2319	SB-H11-2319-04	12/9/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	H11-2319	SB-H11-2319-04	12/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1078 U**	1000	79000	1000000
MAINTENANCE	H11-3	SB-H11-3-02	12/10/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1800 U**	1000	49000	210000
MAINTENANCE	H11-3	SB-H11-3-02	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	H11-3	SB-H11-3-03	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**433 U**	0.3	940	4200
MAINTENANCE	H11-3	SB-H11-3-03	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**7530 U**	1000	1000	5000
MAINTENANCE	H11-4	SB-H11-4-03	12/10/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 U**	1000	79000	1000000
MAINTENANCE	H11-4	SB-H11-4-03	12/10/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 U**	1000	49000	210000
MAINTENANCE	H11-510	SB-H11-510-01	6/15/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200
MAINTENANCE	H11-510	SB-H11-510-03	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-6	SB-H11-6-01	12/3/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
MAINTENANCE	H11-6	SB-H11-6-01	12/3/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
MAINTENANCE	H11-6	SB-H11-6-01	12/3/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
MAINTENANCE	H11-6	SB-H11-6-01	12/3/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
MAINTENANCE	H11-6	SB-H11-6-01	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 UJ**	0.3	940	4200

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H11-696	SB-H11-696-01	7/13/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
MAINTENANCE	H11-696	SB-H11-696-01	7/13/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
MAINTENANCE	H11-696	SB-H11-696-01	7/13/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
MAINTENANCE	H11-696	SB-H11-696-01	7/13/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
MAINTENANCE	H11-696	SB-H11-696-01	7/13/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**346 U**	0.3	940	4200
MAINTENANCE	H11-696	SB-H11-696-02	9/27/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**431 U**	0.3	940	4200
MAINTENANCE	H11-697	SB-H11-697-01	12/8/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
MAINTENANCE	H11-697	SB-H11-697-01	12/8/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
MAINTENANCE	H11-697	SB-H11-697-01	12/8/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
MAINTENANCE	H11-697	SB-H11-697-01	12/8/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
MAINTENANCE	H11-697	SB-H11-697-01	12/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	H11-697	SB-H11-697-02	6/15/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**246 U**	0.3	940	4200
MAINTENANCE	H11-697	SB-H11-697-02	6/15/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**246 U**	40	21000	95000
MAINTENANCE	H11-697	SB-H11-697-02	6/15/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**246 U**	40	4700	61000
MAINTENANCE	H11-697	SB-H11-697-02	6/15/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**246 U**	20	7800	100000
MAINTENANCE	H11-697	SB-H11-697-02	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
MAINTENANCE	H11-761	SB-H11-761-03	12/7/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	H11-761	SB-H11-761-03	12/7/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	H11-761	SB-H11-761-03	12/7/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	H11-761	SB-H11-761-03	12/7/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H11-761	SB-H11-761-03	12/7/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-762	SB-H11-762-02	6/15/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**249 U**	40	4700	61000
MAINTENANCE	H11-762	SB-H11-762-02	6/15/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**249 U**	20	7800	100000
MAINTENANCE	H11-762	SB-H11-762-02	6/15/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**249 U**	40	21000	95000
MAINTENANCE	H11-762	SB-H11-762-02	6/15/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**249 U**	0.3	940	4200
MAINTENANCE	H11-762	SB-H11-762-02	6/15/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
MAINTENANCE	H11-762	SB-H11-762-03	12/7/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
MAINTENANCE	H11-762	SB-H11-762-03	12/7/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
MAINTENANCE	H11-762	SB-H11-762-03	12/7/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
MAINTENANCE	H11-762	SB-H11-762-03	12/7/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
MAINTENANCE	H11-762	SB-H11-762-03	12/7/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-763	SB-H11-763-03	12/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
MAINTENANCE	H11-763	SB-H11-763-03	12/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
MAINTENANCE	H11-763	SB-H11-763-03	12/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
MAINTENANCE	H11-763	SB-H11-763-03	12/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
MAINTENANCE	H11-763	SB-H11-763-03	12/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
MAINTENANCE	H11-8	SB-H11-8-01	12/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MAINTENANCE	H11-8	SB-H11-8-01	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1000 U**	1000	79000	1000000
MAINTENANCE	H11-8	SB-H11-8-02	12/15/1999	0 - 0.4 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	H11-8	SB-H11-8-02	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	H11-9	SB-H11-9-02	12/10/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
MAINTENANCE	H11-9	SB-H11-9-04	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**447 U**	0.3	940	4200
MAINTENANCE	H11-9307	SB-H11-9307-01	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**401 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H11-9307	SB-H11-9307-02	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H11-9310	SB-H11-9310-03	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
MAINTENANCE	H11-9312	SB-H11-9312-02	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	H11-9312	SB-H11-9312-04	12/10/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
MAINTENANCE	H11-9312	SB-H11-9312-04	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H11-9313	SB-H11-9313-02	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H11-9313	SB-H11-9313-04	12/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H11-9336	SB-H11-9336-02	12/3/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H12-2	SB-H12-2-03	12/14/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H12-3	SB-H12-3-01	12/14/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
MAINTENANCE	H12-3	SB-H12-3-02	6/15/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**477 U**	0.3	940	4200
MAINTENANCE	H12-4	SB-H12-4-01	12/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MAINTENANCE	H12-5	SB-H12-5-03	12/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	H12-689	SB-H12-689-01	6/15/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**459 U**	0.3	940	4200
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	H12-8563	SB-H12-8563-01	6/23/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
MAINTENANCE	H12-8563	SB-H12-8563-01	6/23/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5896 U**	1000	1000	5000
MAINTENANCE	H12-8563	SB-H12-8563-03	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	H12-8563	SB-H12-8563-03	12/15/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1100 U**	1000	49000	210000
MAINTENANCE	H12-8607	SB-H12-8607-01	6/23/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**389 U**	0.3	940	4200
MAINTENANCE	H12-8607	SB-H12-8607-04	12/14/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H12-8607	SB-H12-8607-04	12/14/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1300 U**	1000	49000	210000
MAINTENANCE	H12-8607	SB-H12-8607-04	12/14/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1400 U**	1000	79000	1000000
MAINTENANCE	H13-408	SB-H13-408-02	12/14/1999	0 - 1.3 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H13-408	SB-H13-408-02	12/14/1999	0 - 1.3 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	H13-408	SB-H13-408-02	12/14/1999	0 - 1.3 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	H13-408	SB-H13-408-02	12/14/1999	0 - 1.3 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	H13-408	SB-H13-408-02	12/14/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H13-408	SB-H13-408-03	6/15/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
MAINTENANCE	H13-408	SB-H13-408-03	6/15/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
MAINTENANCE	H13-408	SB-H13-408-03	6/15/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
MAINTENANCE	H13-408	SB-H13-408-03	6/15/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
MAINTENANCE	H13-9329	SB-H13-9329-02	12/14/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7800 U**	100000	6000	24000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3900 U**	0.3	940	4200
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 U**	10000	660	660
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 UJ**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
MAINTENANCE	H8-585	SB-H8-585-01	12/2/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2800 U**	1000	49000	210000
MAINTENANCE	H8-69E	SB-H8-69E-01	12/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	H8-8262	SB-H8-8262-01	12/2/1999	0 - 1.25 ft.	METALS	TL	THALLIUM	MG/KG	**3.9 UJ**	NA	2	2
MAINTENANCE	H8-9226	SB-H8-9226-02	12/1/1999	0 - 1.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H9-1	SB-H9-1-03	12/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MAINTENANCE	H9-1	SB-H9-1-04	12/2/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H9-1	SB-H9-1-04	12/2/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 UJ**	1000	79000	1000000
MAINTENANCE	H9-1	SB-H9-1-04	12/2/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2800 U**	1000	49000	210000
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	**11000 UJ**	10000	39000	510000
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**11000 UJ**	0.3	940	4200
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**11000 UJ**	20	7800	100000
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**280 UJ**	40	4700	61000
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**280 UJ**	20	7800	100000
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**280 UJ**	40	21000	95000
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**280 UJ**	0.3	940	4200
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MAINTENANCE	H9-3	SB-H9-3-03	6/15/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**244 U**	40	21000	95000
MAINTENANCE	H9-3	SB-H9-3-03	6/15/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**244 U**	40	4700	61000
MAINTENANCE	H9-3	SB-H9-3-03	6/15/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**244 U**	20	7800	100000
MAINTENANCE	H9-3	SB-H9-3-03	6/15/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**244 U**	0.3	940	4200
MAINTENANCE	H9-3	SB-H9-3-03	6/15/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**408 U**	0.3	940	4200
MAINTENANCE	H9-8155	SB-H9-8155-01	6/15/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H9-8238	SB-H9-8238-01	12/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MAINTENANCE	H9-8238	SB-H9-8238-02	12/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MAINTENANCE	H9-8238	SB-H9-8238-03	12/1/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MAINTENANCE	I11-9117	SB-I11-9117-02	12/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MAINTENANCE	I11-9117	SB-I11-9117-02	12/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MAINTENANCE	F10-19	TP-F10-19-01	7/25/2000	5 - 7 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	F10-19	TP-F10-19-01	7/25/2000	5 - 7 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	F10-19	TP-F10-19-01	7/25/2000	5 - 7 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	F10-19	TP-F10-19-01	7/25/2000	5 - 7 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	F10-19	TP-F10-19-01	7/25/2000	5 - 7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**423 U**	0.3	940	4200
MAINTENANCE	F11-8227	TP-F11-8227-07	8/8/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 UJ**	0.3	940	4200
MAINTENANCE	G10-8204	TP-G10-8204-06	8/3/2000	2 - 2.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1040 U**	1000	79000	1000000
MAINTENANCE	G10-8204	TP-G10-8204-06	8/3/2000	2 - 2.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5210 U**	1000	1000	5000
MAINTENANCE	G10-8204	TP-G10-8204-06	8/3/2000	2 - 2.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1830 U**	1000	49000	210000
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 5.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
MAINTENANCE	G10-8224	TP-G10-8224-05	7/25/2000	3.5 - 4.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1230 U**	1000	79000	1000000
MAINTENANCE	G10-8502	TP-G10-8502-08	7/25/2000	3 - 5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-8502	TP-G10-8502-08	7/25/2000	3 - 5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-8502	TP-G10-8502-08	7/25/2000	3 - 5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-8502	TP-G10-8502-08	7/25/2000	3 - 5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G10-8502	TP-G10-8502-08	7/25/2000	3 - 5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MAINTENANCE	G10-8502	TP-G10-8502-09	7/26/2000	5.5 - 7.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	G10-8502	TP-G10-8502-09	7/26/2000	5.5 - 7.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	G10-8502	TP-G10-8502-09	7/26/2000	5.5 - 7.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	G10-8502	TP-G10-8502-09	7/26/2000	5.5 - 7.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	G10-8502	TP-G10-8502-09	7/26/2000	5.5 - 7.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
MAINTENANCE	G11-9300A	TP-G11-9300A-01	8/2/2000	4.5 - 6.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
MAINTENANCE	G11-9300A	TP-G11-9300A-01	8/2/2000	4.5 - 5.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5680 U**	1000	1000	5000
MAINTENANCE	G11-9300A	TP-G11-9300A-01	8/2/2000	4.5 - 5.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1140 U**	1000	79000	1000000
MAINTENANCE	G11-9300A	TP-G11-9300A-01	8/2/2000	4.5 - 5.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2050 U**	1000	49000	210000
MAINTENANCE	G11-9304A	TP-G11-9304A-01	8/2/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
MAINTENANCE	G11-9304A	TP-G11-9304A-01	8/2/2000	3.5 - 4.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5730 UJ**	1000	1000	5000
MAINTENANCE	G11-9304A	TP-G11-9304A-01	8/2/2000	3.5 - 4.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2170 UJ**	1000	49000	210000
MAINTENANCE	G11-9304A	TP-G11-9304A-01	8/2/2000	3.5 - 4.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1150 UJ**	1000	79000	1000000
MAINTENANCE	H13-8158A	TP-H13-8158A-01	8/9/2000	5.5 - 7.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
MAINTENANCE	H13-8158A	TP-H13-8158A-01	8/9/2000	5.5 - 7.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
MAINTENANCE	H13-8158A	TP-H13-8158A-01	8/9/2000	5.5 - 7.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
MAINTENANCE	H13-8158A	TP-H13-8158A-01	8/9/2000	5.5 - 7.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
MAINTENANCE	H13-8158A	TP-H13-8158A-01	8/9/2000	5.5 - 7.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**391 U**	0.3	940	4200
MAINTENANCE	H9-8238	TP-H9-8238-04	8/2/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
MAINTENANCE	H9-8238	TP-H9-8238-04	8/2/2000	7.5 - 8.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5040 UJ**	1000	1000	5000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	11/18/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2100 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1000 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1000 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1000 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1000 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1000 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1000 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1000 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1000 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1000 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1000 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1000 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2100 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1000 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1000 U**	1000	23000	54000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-01	10/5/1999	0 - 0.5 ft.	VOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**1000 U**	100000	1000	21000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 UJ**	100000	660	2000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 UJ**	500000	900	4000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000
MISCELLANEOUS/OFFSITE	D16-1	SB-D16-1-02	10/5/1999	0 - 0.8 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 U**	10000	110000	2100000
MISCELLANEOUS/OFFSITE	D16-2	SB-D16-2-01	10/5/1999	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
MISCELLANEOUS/OFFSITE	D16-2	SB-D16-2-01	10/5/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	D16-2	SB-D16-2-04	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**376 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	D16-3	SB-D16-3-04	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**361 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	D16-3	SB-D16-3-05	10/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-01	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-01	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1389 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-02	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**340 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-02	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1136 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-03	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-03	9/29/1999	0 - 0.8 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-04	9/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-04	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-05	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-05	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-06	9/29/1999	0 - 5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-06	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1250 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-06	9/29/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1229 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-07	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-07	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-08	9/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-08	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-09	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-09	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-10	9/29/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-10	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1085 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-11	9/29/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-11	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-12	9/29/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-12	9/29/1999	0 - 0.8 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-13	9/29/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**340 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-13	9/29/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1042 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1369 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2841 UJ**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1421 UJ**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1421 UJ**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1421 UJ**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	TBME	BROMOFORM	UG/KG	**1421 UJ**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1421 UJ**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1421 UJ**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1421 UJ**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1421 UJ**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2841 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	BZ	BENZENE	UG/KG	**1421 UJ**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1421 UJ**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1421 UJ**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1421 UJ**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-14	10/1/1999	0.5 - 1.0 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1421 UJ**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1330 UJ**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1330 UJ**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1330 UJ**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1330 UJ**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	TBME	BROMOFORM	UG/KG	**1330 UJ**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1330 UJ**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2660 UJ**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	BZ	BENZENE	UG/KG	**1330 UJ**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1330 UJ**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2660 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1330 UJ**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1330 UJ**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1330 UJ**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1330 UJ**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1117 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-15	10/1/1999	0.8 - 1.3 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1330 UJ**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1157 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2315 UJ**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1157 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1157 U**	1000	23000	54000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1157 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	TBME	BROMOFORM	UG/KG	**1157 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1157 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1157 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1157 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1157 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	BZ	BENZENE	UG/KG	**1157 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2315 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1157 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1157 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-16	10/1/1999	0.8 - 1.3 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1157 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1250 UJ**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	TBME	BROMOFORM	UG/KG	**1250 UJ**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1250 UJ**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1250 UJ**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2500 UJ**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1250 UJ**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1250 UJ**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1250 UJ**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1250 UJ**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1250 UJ**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	BZ	BENZENE	UG/KG	**1250 UJ**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2500 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1250 UJ**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1250 UJ**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1250 UJ**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-17	10/1/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1010 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1500 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1500 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1500 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1500 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1500 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**3000 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1500 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1500 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1500 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1500 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1500 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1500 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**3000 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1500 U**	1000	11000	46000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1500 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-18	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2400 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1400 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1400 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1400 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1400 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1400 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1400 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2700 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1400 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1400 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1400 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1400 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1400 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1900 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1400 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-19	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1400 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**340 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1200 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1200 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2400 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1200 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1200 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1200 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1200 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2400 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1600 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1200 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1200 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1200 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1200 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1200 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1200 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-20	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1200 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1300 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1300 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2700 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1300 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1300 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1300 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1300 U**	1000	86000	370000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1300 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1300 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1300 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1300 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1300 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1300 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2700 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1900 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-21	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1300 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1800 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1800 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1800 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1800 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1800 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**3700 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**3700 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1800 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1800 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2700 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1800 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1800 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1800 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1800 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1800 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-22	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1800 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2300 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1200 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1200 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1200 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1200 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1200 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1200 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1200 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1200 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1200 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1200 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1200 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1200 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1200 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1500 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-23	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2300 U**	1000	79000	1000000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1400 UJ**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1400 UJ**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2800 UJ**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1400 UJ**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1400 UJ**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1400 UJ**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1400 UJ**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1400 UJ**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2800 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1400 UJ**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1400 UJ**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1400 UJ**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1400 UJ**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2700 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1400 UJ**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-24	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1400 UJ**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 1.2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1400 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1400 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1400 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1400 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1400 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1400 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**2700 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1400 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1400 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1400 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1400 U**	1000	11000	46000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1400 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1400 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2500 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1400 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-25	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**2700 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-26	10/5/1999	0 - 1.4 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-26	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1700 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 1.4 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	TCE	TRICHLOROETHYLENE (TCE)	UG/KG	**1600 U**	1000	23000	54000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	TCA112	1,1,2-TRICHLOROETHANE	UG/KG	**1600 U**	1000	22000	420000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	TCLME	CHLOROFORM	UG/KG	**1600 U**	1000	19000	28000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	DCA12	1,2-DICHLOROETHANE	UG/KG	**1600 U**	1000	6000	24000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**1600 U**	1000	1000	5000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	BDCME	BROMODICHLOROMETHANE	UG/KG	**1600 U**	1000	11000	46000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**3100 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	BZ	BENZENE	UG/KG	**1600 U**	1000	3000	13000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	CLBZ	CHLOROBENZENE	UG/KG	**1600 U**	1000	37000	680000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	VC	VINYL CHLORIDE	UG/KG	**3100 U**	10000	2000	7000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	DBCME	DIBROMOCHLOROMETHANE	UG/KG	**1600 U**	1000	110000	1000000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	TBME	BROMOFORM	UG/KG	**1600 U**	1000	86000	370000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1900 U**	1000	49000	210000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	PCA	1,1,2,2-TETRACHLOROETHANE	UG/KG	**1600 U**	1000	34000	70000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	PCE	TETRACHLOROETHYLENE(PCE)	UG/KG	**1600 U**	1000	4000	6000
MISCELLANEOUS/OFFSITE	E15-8560	SB-E15-8560-27	10/5/1999	0 - 0.5 ft.	VOC	CTCL	CARBON TETRACHLORIDE	UG/KG	**1600 U**	1000	2000	4000
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-02	10/6/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-02	7/26/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1050 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-03	10/6/1999	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-03	10/6/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-04	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1008 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-05	11/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E16-8561	SB-E16-8561-05	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1078 UJ**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	G14-1	SB-G14-1-01	11/18/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	G14-1	SB-G14-1-02	10/6/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	G14-2	SB-G14-2-05	10/6/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	H14-2	SB-H14-2-02	10/6/1999	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
MISCELLANEOUS/OFFSITE	H14-2	SB-H14-2-02	10/6/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	H14-3	SB-H14-3-03	10/6/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.8 U**	NA	2	2
MISCELLANEOUS/OFFSITE	H14-3	SB-H14-3-03	10/6/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	H14-3	SB-H14-3-19	10/6/1999	0 - 0.8 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
MISCELLANEOUS/OFFSITE	H14-3	SB-H14-3-19	11/18/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**530 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	H14-3	SB-H14-3-19	10/6/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	J14-2	SB-J14-2-02	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	J14-2	SB-J14-2-03	10/6/1999	0 - 1.8 ft.	METALS	TL	THALLIUM	MG/KG	**2.6 U**	NA	2	2
MISCELLANEOUS/OFFSITE	J14-2	SB-J14-2-03	10/6/1999	0 - 1.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	M11-1	SB-M11-1-01	6/29/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**481 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	M11-1	SB-M11-1-02	10/6/1999	0 - 0.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
MISCELLANEOUS/OFFSITE	M11-1	SB-M11-1-02	10/6/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	M11-8606	SB-M11-8606-03	10/6/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**44.7 U**	NA	2	2
MISCELLANEOUS/OFFSITE	M11-8606	SB-M11-8606-03	10/6/1999	0 - 1 ft.	METALS	AS	ARSENIC	MG/KG	**22.4 U**	NA	20	20
MISCELLANEOUS/OFFSITE	M11-8606	SB-M11-8606-03	10/6/1999	0 - 1 ft.	METALS	SB	ANTIMONY	MG/KG	**22.4 UJ**	NA	14	340
MISCELLANEOUS/OFFSITE	M11-8606	SB-M11-8606-03	10/6/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	N13-1	SB-N13-1-03	10/4/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**570 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	N13-4	SB-N13-4-04	10/4/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-1	SB-O13-1-01	10/1/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O13-2	SB-O13-2-17	10/1/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.7 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O13-2	SB-O13-2-18	10/1/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.4 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O13-4	SB-O13-4-01	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**405 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
MISCELLANEOUS/OFFSITE	O13-4	SB-O13-4-02	10/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-7	SB-O13-7-01	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**395 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-7	SB-O13-7-03	10/4/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-8577	SB-O13-8577-02	10/4/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2.2 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O13-8577	SB-O13-8577-02	10/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-8577	SB-O13-8577-03	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-8604	SB-O13-8604-01	10/4/1999	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.1 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O13-8604	SB-O13-8604-01	10/4/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-8604	SB-O13-8604-03	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**382 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O14-1	SB-O14-1-01	10/6/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
MISCELLANEOUS/OFFSITE	O14-1	SB-O14-1-01	10/6/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O14-1	SB-O14-1-03	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O14-8603	SB-O14-8603-02	10/4/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O14-8603	SB-O14-8603-04	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**415 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E16-8561	TP-E16-8561-05	8/9/2000	2.5 - 4.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	E16-8561	TP-E16-8561-05	8/9/2000	2.5 - 3.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1210 U**	1000	79000	1000000
MISCELLANEOUS/OFFSITE	O13-7	TP-O13-7-05	8/10/2000	7.5 - 9.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
MISCELLANEOUS/OFFSITE	O13-7	TP-O13-7-05	8/10/2000	7.5 - 9.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
MISCELLANEOUS/OFFSITE	O13-7	TP-O13-7-05	8/10/2000	7.5 - 9.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
MISCELLANEOUS/OFFSITE	O13-7	TP-O13-7-05	8/10/2000	7.5 - 9.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
MISCELLANEOUS/OFFSITE	O13-7	TP-O13-7-05	8/10/2000	7.5 - 9.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**20000 UJ**	10000	110000	2100000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3900 U**	500000	900	4000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3900 UJ**	10000	660	660
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3900 U**	500000	900	4000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3900 U**	100000	660	2000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3900 U**	100000	1000	21000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7800 U**	100000	2000	6000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3900 U**	100000	660	660
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3900 U**	500000	900	4000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3900 U**	100000	660	660
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**20000 U**	100000	6000	24000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3900 U**	10000	660	3000
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3900 U**	50000	900	4000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	**643468 U**	NA	4700	61000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**643468 U**	20	7800	100000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	NBZME2	2-NITROTOLUENE	UG/KG	**1290000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	NBZME4	4-NITROTOLUENE	UG/KG	**1290000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	**643468 U**	10000	39000	510000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	**1290000 U**	NA	5800	26000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	**1290000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**643468 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**643468 U**	40	4700	61000
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	NG	NG	NITROGLYCERIN	UG/KG	**1400000 U**	NA	46000	200000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	NBZME2	2-NITROTOLUENE	UG/KG	**1400000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**700869 U**	0.3	940	4200
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	**1400000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	**1400000 U**	NA	5800	26000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	NBZME4	4-NITROTOLUENE	UG/KG	**1400000 U**	NA	780000	10000000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**700869 U**	20	7800	100000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	**700869 U**	NA	4700	61000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**700869 U**	40	4700	61000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	**700869 U**	10000	39000	510000
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	NG	NG	NITROGLYCERIN	UG/KG	**1300000 U**	NA	46000	200000
NG	B11-1	SB-B11-1-08	11/10/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	B11-1	SB-B11-1-08	11/10/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	B11-1	SB-B11-1-08	11/10/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	B11-1	SB-B11-1-08	11/10/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	B11-1	SB-B11-1-08	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
NG	B11-11	SB-B11-11-05	11/10/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
NG	B11-11	SB-B11-11-05	11/10/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
NG	B11-11	SB-B11-11-05	11/10/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
NG	B11-1	SB-B11-1-11	11/10/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	B11-1	SB-B11-1-11	11/10/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	B11-1	SB-B11-1-11	11/10/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	B11-1	SB-B11-1-11	11/10/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	B11-1	SB-B11-1-11	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-03	11/9/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
NG	B11-2044	SB-B11-2044-03	11/9/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-03	11/9/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-04	11/9/1999	0 - 1.3 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
NG	B11-2044	SB-B11-2044-04	11/9/1999	0 - 1.3 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
NG	B11-2044	SB-B11-2044-04	11/9/1999	0 - 1.3 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-04	11/9/1999	0 - 1.3 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
NG	B11-2044	SB-B11-2044-04	11/9/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-05	11/9/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
NG	B11-2044	SB-B11-2044-05	11/9/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-05	11/9/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
NG	B11-2044	SB-B11-2044-05	11/9/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
NG	B11-2044	SB-B11-2044-05	11/9/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 UJ**	0.3	940	4200
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 UJ**	40	21000	95000
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 UJ**	20	7800	100000
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-08	11/9/1999	0 - 0.8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	B11-2044	SB-B11-2044-08	11/9/1999	0 - 0.8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
NG	B11-2044	SB-B11-2044-08	11/9/1999	0 - 0.8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
NG	B11-2044	SB-B11-2044-08	11/9/1999	0 - 0.8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
NG	B11-2044	SB-B11-2044-08	11/9/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	B11-4	SB-B11-4-01	11/9/1999	0 - 1.7 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
NG	B11-4	SB-B11-4-01	11/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1134 U**	1000	79000	1000000
NG	B11-4	SB-B11-4-01	11/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2517 UJ**	1000	49000	210000
NG	B11-4	SB-B11-4-02	11/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**560 U**	0.3	940	4200
NG	B11-4	SB-B11-4-02	11/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1180 U**	1000	79000	1000000
NG	B11-4	SB-B11-4-02	11/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2710 UJ**	1000	49000	210000
NG	B11-6	SB-B11-6-03	11/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	B11-6	SB-B11-6-03	11/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2904 UJ**	1000	49000	210000
NG	B11-6	SB-B11-6-03	11/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1223 U**	1000	79000	1000000
NG	B11-9	SB-B11-9-02	11/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
NG	B11-9	SB-B11-9-03	6/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**409 U**	0.3	940	4200
NG	C10-10	SB-C10-10-02	6/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	C10-12	SB-C10-12-03	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	C10-12	SB-C10-12-03	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	C10-12	SB-C10-12-03	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	C10-12	SB-C10-12-03	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	C10-13	SB-C10-13-01	11/19/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 UJ**	0.3	940	4200
NG	C10-211C	SB-C10-211C-04	11/16/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	C10-211C	SB-C10-211C-04	11/16/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	C10-211C	SB-C10-211C-04	11/16/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	C10-211C	SB-C10-211C-04	11/16/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	C10-211C	SB-C10-211C-06	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
NG	C10-211C	SB-C10-211C-06	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
NG	C10-211C	SB-C10-211C-06	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
NG	C10-211C	SB-C10-211C-07	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	C10-211C	SB-C10-211C-07	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	C10-211C	SB-C10-211C-07	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	C10-211C	SB-C10-211C-07	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	C10-211C	SB-C10-211C-07	11/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**182 U**	40	4700	61000
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**182 U**	40	21000	95000
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**182 U**	20	7800	100000
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**182 U**	0.3	940	4200
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**540 U**	0.3	940	4200
NG	C10-241A	SB-C10-241A-05	6/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**249 U**	40	21000	95000
NG	C10-241A	SB-C10-241A-05	6/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**249 U**	20	7800	100000
NG	C10-241A	SB-C10-241A-05	6/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**249 U**	40	4700	61000
NG	C10-241A	SB-C10-241A-05	6/30/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**249 UJ**	0.3	940	4200
NG	C10-241A	SB-C10-241A-05	6/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**401 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	C10-241C	SB-C10-241C-03	6/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**249 U**	40	21000	95000
NG	C10-241C	SB-C10-241C-03	6/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**249 U**	20	7800	100000
NG	C10-241C	SB-C10-241C-03	6/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**249 UJ**	0.3	940	4200
NG	C10-241C	SB-C10-241C-03	6/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**249 U**	40	4700	61000
NG	C10-241C	SB-C10-241C-03	6/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**358 U**	0.3	940	4200
NG	C10-241C	SB-C10-241C-04	11/16/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	C10-241C	SB-C10-241C-04	11/16/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	C10-241C	SB-C10-241C-04	11/16/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	C10-241C	SB-C10-241C-04	11/16/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	C10-241C	SB-C10-241C-04	11/16/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**340 U**	0.3	940	4200
NG	C10-5	SB-C10-5-01	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	C10-5	SB-C10-5-01	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	C10-5	SB-C10-5-01	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	C10-5	SB-C10-5-01	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	C10-5	SB-C10-5-01	11/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	C10-7	SB-C10-7-01	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	C10-7	SB-C10-7-01	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	C10-7	SB-C10-7-01	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	C11-10	SB-C11-10-01	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	C11-1	SB-C11-1-04	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 U**	0.3	940	4200
NG	C11-1	SB-C11-1-05	11/18/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**143 U**	0.3	940	4200
NG	C11-1	SB-C11-1-05	11/18/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**143 U**	20	7800	100000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**1900 U**	10000	660	660
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**3900 U**	100000	2000	6000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**1900 U**	10000	660	3000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**1900 U**	100000	1000	21000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**1900 U**	100000	660	2000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9700 U**	100000	6000	24000
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**1900 U**	0.3	940	4200
NG	C11-12	SB-C11-12-02	11/10/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	C11-12	SB-C11-12-02	11/10/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	C11-12	SB-C11-12-02	11/10/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	C11-12	SB-C11-12-02	11/10/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	C11-12	SB-C11-12-02	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
NG	C11-15	SB-C11-15-05	11/10/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	C11-15	SB-C11-15-05	11/10/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	C11-15	SB-C11-15-05	11/10/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	C11-15	SB-C11-15-05	11/10/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	C11-15	SB-C11-15-05	11/10/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	C11-18	SB-C11-18-01	6/30/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 UJ**	20	7800	100000
NG	C11-18	SB-C11-18-01	6/30/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 UJ**	40	21000	95000
NG	C11-18	SB-C11-18-01	6/30/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 UJ**	40	4700	61000
NG	C11-18	SB-C11-18-01	6/30/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 UJ**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	C11-18	SB-C11-18-01	6/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**162 U**	0.3	940	4200
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**162 U**	40	4700	61000
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**162 U**	20	7800	100000
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**162 U**	40	21000	95000
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
NG	C11-22	SB-C11-22-03	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	C11-22	SB-C11-22-03	11/9/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**2647 UJ**	1000	49000	210000
NG	C11-22	SB-C11-22-03	11/9/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1119 U**	1000	79000	1000000
NG	C11-2233	SB-C11-2233-01	11/10/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-01	11/10/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	C11-2233	SB-C11-2233-01	11/10/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	C11-2233	SB-C11-2233-01	11/10/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	C11-2233	SB-C11-2233-01	7/19/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-01	7/19/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
NG	C11-2233	SB-C11-2233-01	7/19/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
NG	C11-2233	SB-C11-2233-01	7/19/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
NG	C11-2233	SB-C11-2233-01	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-01	7/19/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-02	11/10/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	C11-2233	SB-C11-2233-02	11/10/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-02	11/10/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	C11-2233	SB-C11-2233-02	11/10/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	C11-2233	SB-C11-2233-02	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-03	11/10/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**190 U**	40	21000	95000
NG	C11-2233	SB-C11-2233-03	11/10/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**190 U**	20	7800	100000
NG	C11-2233	SB-C11-2233-03	11/10/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**190 U**	40	4700	61000
NG	C11-2233	SB-C11-2233-03	11/10/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**190 U**	0.3	940	4200
NG	C11-2233	SB-C11-2233-03	11/10/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	C11-2233C	SB-C11-2233C-01	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	C11-2233D	SB-C11-2233D-05	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
NG	C11-2233D	SB-C11-2233D-06	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	C11-23	SB-C11-23-02	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	C11-24	SB-C11-24-04	11/9/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	C11-27	SB-C11-27-03	11/12/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	C11-30	SB-C11-30-06	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	C11-30	SB-C11-30-06	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	C11-30	SB-C11-30-06	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	C11-30	SB-C11-30-06	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	C11-30	SB-C11-30-06	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
NG	C11-4	SB-C11-4-02	11/11/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	C11-4	SB-C11-4-02	11/11/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	C11-4	SB-C11-4-09	11/11/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	C11-4	SB-C11-4-09	11/11/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	C11-4	SB-C11-4-09	11/11/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	C11-4	SB-C11-4-09	11/11/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	C11-4	SB-C11-4-09	11/11/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
NG	C11-4	SB-C11-4-13	11/11/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	C11-4	SB-C11-4-13	11/11/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	C11-4	SB-C11-4-13	11/11/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	C11-4	SB-C11-4-13	11/11/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	C11-4	SB-C11-4-19	11/11/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
NG	C11-4	SB-C11-4-20	11/11/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**190 UJ**	40	21000	95000
NG	C11-4	SB-C11-4-20	11/11/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**190 UJ**	0.3	940	4200
NG	C11-4	SB-C11-4-20	11/11/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**190 UJ**	40	4700	61000
NG	C11-4	SB-C11-4-20	11/11/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**190 UJ**	20	7800	100000
NG	C11-4A	SB-C11-4A-01	11/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	C11-4A	SB-C11-4A-02	6/30/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**391 U**	0.3	940	4200
NG	C11-4B	SB-C11-4B-01	11/5/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	C11-7	SB-C11-7-02	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**2500 U**	0.3	940	4200
NG	C11-7	SB-C11-7-02	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**2500 U**	20	7800	100000
NG	C11-8	SB-C11-8-05	11/9/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
NG	C11-N3	SB-C11-N3-02	6/30/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
NG	C11-N3	SB-C11-N3-03	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	D10-10	SB-D10-10-04	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	D10-1	SB-D10-1-02	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	D10-11	SB-D10-11-01	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
NG	D10-11	SB-D10-11-01	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1106 UJ**	1000	79000	1000000
NG	D10-11	SB-D10-11-03	7/21/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 UJ**	0.3	940	4200
NG	D10-11	SB-D10-11-03	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1060 UJ**	1000	79000	1000000
NG	D10-11	SB-D10-11-03	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5300 UJ**	1000	1000	5000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D10-14	SB-D10-14-03	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 U**	0.3	940	4200
NG	D10-15	SB-D10-15-03	11/11/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
NG	D10-16	SB-D10-16-02	6/29/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-16	SB-D10-16-02	6/29/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-16	SB-D10-16-02	6/29/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-16	SB-D10-16-02	6/29/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-16	SB-D10-16-02	6/29/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**365 U**	0.3	940	4200
NG	D10-16	SB-D10-16-03	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-16	SB-D10-16-03	11/19/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-16	SB-D10-16-03	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-16	SB-D10-16-03	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-16	SB-D10-16-03	11/19/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-164B	SB-D10-164B-01	11/30/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	D10-164B	SB-D10-164B-01	11/30/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	D10-164B	SB-D10-164B-01	11/30/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	D10-164B	SB-D10-164B-01	11/30/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	D10-164B	SB-D10-164B-01	11/30/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 UJ**	0.3	940	4200
NG	D10-164B	SB-D10-164B-02	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
NG	D10-164B	SB-D10-164B-02	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
NG	D10-164B	SB-D10-164B-02	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
NG	D10-164B	SB-D10-164B-02	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
NG	D10-164B	SB-D10-164B-02	11/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	D10-165B	SB-D10-165B-02	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	D10-165B	SB-D10-165B-02	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	D10-165B	SB-D10-165B-02	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	D10-165B	SB-D10-165B-02	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	D10-2007	SB-D10-2007-02	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**190 U**	0.3	940	4200
NG	D10-2007	SB-D10-2007-02	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**190 U**	40	21000	95000
NG	D10-2007	SB-D10-2007-02	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**190 U**	20	7800	100000
NG	D10-2007	SB-D10-2007-02	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**190 U**	40	4700	61000
NG	D10-2007	SB-D10-2007-02	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2007	SB-D10-2007-04	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-2007	SB-D10-2007-04	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-2007	SB-D10-2007-04	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-2007	SB-D10-2007-04	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-2007	SB-D10-2007-04	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 U**	0.3	940	4200
NG	D10-2041	SB-D10-2041-03	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-2041	SB-D10-2041-03	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D10-2041	SB-D10-2041-03	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-2041	SB-D10-2041-03	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-2041	SB-D10-2041-03	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2041	SB-D10-2041-05	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
NG	D10-2041	SB-D10-2041-05	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D10-2041	SB-D10-2041-05	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
NG	D10-2041	SB-D10-2041-05	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
NG	D10-2041	SB-D10-2041-05	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	D10-2227	SB-D10-2227-02	11/11/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-2227	SB-D10-2227-02	11/11/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-2227	SB-D10-2227-02	11/11/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-2227	SB-D10-2227-02	11/11/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D10-2227	SB-D10-2227-02	11/11/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	D10-2227E	SB-D10-2227E-01	11/11/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D10-2227E	SB-D10-2227E-02	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**131 U**	40	21000	95000
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**131 U**	20	7800	100000
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**131 U**	40	4700	61000
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**131 U**	0.3	940	4200
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2230	SB-D10-2230-03	11/12/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	D10-2230	SB-D10-2230-03	11/12/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	D10-2230	SB-D10-2230-03	11/12/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	D10-2230	SB-D10-2230-03	11/12/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	D10-2230	SB-D10-2230-03	11/12/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2230A	SB-D10-2230A-03	11/12/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D10-2230A	SB-D10-2230A-03	11/12/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-2230A	SB-D10-2230A-03	11/12/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-2230A	SB-D10-2230A-03	11/12/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-2230A	SB-D10-2230A-03	11/12/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**131 U**	40	21000	95000
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**131 U**	20	7800	100000
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**131 U**	40	4700	61000
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**131 U**	0.3	940	4200
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	D10-2233	SB-D10-2233-02	6/29/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-2233	SB-D10-2233-02	6/29/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-2233	SB-D10-2233-02	6/29/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-2233	SB-D10-2233-02	6/29/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-2233	SB-D10-2233-02	6/29/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**381 U**	0.3	940	4200
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 U**	50000	900	4000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 U**	100000	660	660
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 UJ**	10000	660	660
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 UJ**	10000	110000	2100000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
NG	D10-2233	SB-D10-2233-04	11/19/1999	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**131 U**	40	4700	61000
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**131 U**	40	21000	95000
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**131 U**	0.3	940	4200
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**131 U**	20	7800	100000
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2233A	SB-D10-2233A-02	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
NG	D10-2233A	SB-D10-2233A-02	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
NG	D10-2233A	SB-D10-2233A-02	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
NG	D10-2233A	SB-D10-2233A-02	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
NG	D10-2233A	SB-D10-2233A-02	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
NG	D10-2233B	SB-D10-2233B-02	6/29/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**246 U**	40	21000	95000
NG	D10-2233B	SB-D10-2233B-02	6/29/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**246 U**	0.3	940	4200
NG	D10-2233B	SB-D10-2233B-02	6/29/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**246 U**	20	7800	100000
NG	D10-2233B	SB-D10-2233B-02	6/29/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**246 U**	40	4700	61000
NG	D10-2233B	SB-D10-2233B-02	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**375 U**	0.3	940	4200
NG	D10-2233B	SB-D10-2233B-03	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
NG	D10-2233B	SB-D10-2233B-03	11/19/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
NG	D10-2233B	SB-D10-2233B-03	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
NG	D10-2233B	SB-D10-2233B-03	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
NG	D10-2233B	SB-D10-2233B-03	11/19/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**126 U**	40	21000	95000
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**126 U**	40	4700	61000
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**126 U**	20	7800	100000
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**126 U**	0.3	940	4200
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D10-2233C	SB-D10-2233C-02	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**245 U**	40	4700	61000
NG	D10-2233C	SB-D10-2233C-02	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**245 U**	0.3	940	4200
NG	D10-2233C	SB-D10-2233C-02	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**245 U**	20	7800	100000
NG	D10-2233C	SB-D10-2233C-02	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**245 U**	40	21000	95000
NG	D10-2233C	SB-D10-2233C-02	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**378 U**	0.3	940	4200
NG	D10-2233D	SB-D10-2233D-02	6/29/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
NG	D10-2233D	SB-D10-2233D-02	6/29/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
NG	D10-2233D	SB-D10-2233D-02	6/29/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D10-2233D	SB-D10-2233D-02	6/29/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
NG	D10-2233D	SB-D10-2233D-02	6/29/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**369 U**	0.3	940	4200
NG	D10-2233D	SB-D10-2233D-03	11/19/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	D10-2233D	SB-D10-2233D-03	11/19/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	D10-2233D	SB-D10-2233D-03	11/19/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	D10-2233D	SB-D10-2233D-03	11/19/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	D10-2233D	SB-D10-2233D-03	11/19/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**123 U**	20	7800	100000
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**123 U**	40	4700	61000
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**123 U**	0.3	940	4200
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**123 U**	40	21000	95000
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-2349	SB-D10-2349-02	11/12/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	D10-2349	SB-D10-2349-02	11/12/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	D10-2349	SB-D10-2349-02	11/12/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	D10-2349	SB-D10-2349-02	11/12/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	D10-2349	SB-D10-2349-02	11/12/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-241B	SB-D10-241B-03	11/19/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-241B	SB-D10-241B-03	11/19/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-241B	SB-D10-241B-03	11/19/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-241B	SB-D10-241B-03	11/19/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-241B	SB-D10-241B-03	11/19/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	D10-251	SB-D10-251-02	11/17/1999	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
NG	D10-4	SB-D10-4-01	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-4	SB-D10-4-01	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D10-4	SB-D10-4-01	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-4	SB-D10-4-01	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-4	SB-D10-4-01	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	D10-5	SB-D10-5-01	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**12.4 U**	NA	2	2
NG	D10-6	SB-D10-6-02	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
NG	D10-8	SB-D10-8-02	11/16/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-8	SB-D10-8-02	11/16/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D10-8	SB-D10-8-02	11/16/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-8	SB-D10-8-02	11/16/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-8	SB-D10-8-02	11/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**3800 UJ**	100000	660	660
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 U**	10000	660	660
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**3800 UJ**	50000	900	4000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 UJ**	500000	900	4000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 U**	10000	110000	2100000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7700 U**	100000	2000	6000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 UJ**	100000	660	660
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**3800 U**	500000	900	4000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**3800 U**	0.3	940	4200
NG	D10-8234	SB-D10-8234-02	11/16/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 UJ**	500000	900	4000
NG	D10-9119	SB-D10-9119-01	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	D10-9119	SB-D10-9119-01	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	D10-9119	SB-D10-9119-01	11/19/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
NG	D10-9119	SB-D10-9119-01	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	D10-9119	SB-D10-9119-01	11/19/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D10-9119	SB-D10-9119-02	6/29/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**249 U**	0.3	940	4200
NG	D10-9119	SB-D10-9119-02	6/29/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**249 U**	40	4700	61000
NG	D10-9119	SB-D10-9119-02	6/29/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**249 U**	20	7800	100000
NG	D10-9119	SB-D10-9119-02	6/29/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**249 U**	40	21000	95000
NG	D10-9119	SB-D10-9119-02	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
NG	D10-N4	SB-D10-N4-01	11/12/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	D10-N4	SB-D10-N4-01	11/12/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D10-N4	SB-D10-N4-01	11/12/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D10-N4	SB-D10-N4-01	11/12/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D10-N4	SB-D10-N4-01	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D11-112	SB-D11-112-01	9/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**356 U**	0.3	940	4200
NG	D11-112	SB-D11-112-05	7/13/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**343 U**	0.3	940	4200
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**131 U**	40	4700	61000
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**131 U**	20	7800	100000
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**131 U**	40	21000	95000
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**131 U**	0.3	940	4200
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 U**	40	21000	95000
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 U**	0.3	940	4200
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**130 U**	20	7800	100000
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 U**	40	4700	61000
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D9-2	SB-D9-2-01	6/29/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**365 U**	0.3	940	4200
NG	D9-2	SB-D9-2-04	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D9-2229	SB-D9-2229-01	11/11/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D9-2229	SB-D9-2229-05	6/29/2000	0 - 0.75 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**373 U**	0.3	940	4200
NG	D9-3	SB-D9-3-01	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**356 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	D9-3	SB-D9-3-02	11/11/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D9-4	SB-D9-4-03	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	D9-5	SB-D9-5-02	6/29/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**248 U**	40	21000	95000
NG	D9-5	SB-D9-5-02	6/29/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**248 U**	0.3	940	4200
NG	D9-5	SB-D9-5-02	6/29/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**248 U**	20	7800	100000
NG	D9-5	SB-D9-5-02	6/29/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**248 U**	40	4700	61000
NG	D9-5	SB-D9-5-02	6/29/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**409 U**	0.3	940	4200
NG	D9-5	SB-D9-5-05	11/11/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
NG	D9-5	SB-D9-5-05	11/11/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
NG	D9-5	SB-D9-5-05	11/11/1999	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
NG	D9-5	SB-D9-5-05	11/11/1999	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
NG	D9-5	SB-D9-5-05	11/11/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
NG	D9-8279	SB-D9-8279-01	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	D9-8279	SB-D9-8279-01	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	D9-8279	SB-D9-8279-01	11/19/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	D9-8279	SB-D9-8279-01	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	D9-8279	SB-D9-8279-01	11/19/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	D9-8284	SB-D9-8284-03	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1030 UJ**	1000	79000	1000000
NG	D9-8284	SB-D9-8284-03	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5170 UJ**	1000	1000	5000
NG	D9-8284	SB-D9-8284-05	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1025 UJ**	1000	79000	1000000
NG	D9-9108	SB-D9-9108-01	11/10/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
NG	D9-9108	SB-D9-9108-04	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	D9-9108	SB-D9-9108-07	11/10/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	D9-9108	SB-D9-9108-10	11/10/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
NG	D9-N1	SB-D9-N1-03	11/10/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
NG	E10-2031B	SB-E10-2031B-01	6/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**394 U**	0.3	940	4200
NG	E10-2031B	SB-E10-2031B-04	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
NG	E10-2031C	SB-E10-2031C-01	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
NG	E10-2031C	SB-E10-2031C-03	6/30/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**469 U**	0.3	940	4200
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**157 U**	40	21000	95000
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**157 U**	40	4700	61000
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**157 U**	0.3	940	4200
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**157 U**	20	7800	100000
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**10.6 U**	NA	2	2
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**131 U**	40	4700	61000
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**131 U**	0.3	940	4200
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**131 U**	40	21000	95000
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**131 U**	20	7800	100000
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
NG	E10-2169A	SB-E10-2169A-04	6/30/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**245 U**	40	4700	61000
NG	E10-2169A	SB-E10-2169A-04	6/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**245 U**	40	21000	95000
NG	E10-2169A	SB-E10-2169A-04	6/30/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**245 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
NG	E10-2177	SB-E10-2177-06	11/18/1999	0 - 0.75 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
NG	E10-2177	SB-E10-2177-06	11/18/1999	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
NG	E10-2177	SB-E10-2177-06	11/18/1999	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
NG	E10-2177	SB-E10-2177-06	11/18/1999	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
NG	E10-2314	SB-E10-2314-01	7/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
NG	E10-2314	SB-E10-2314-01	7/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
NG	E10-2314	SB-E10-2314-01	7/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
NG	E10-2314	SB-E10-2314-01	7/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
NG	E10-2314	SB-E10-2314-01	7/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**412 UJ**	0.3	940	4200
NG	E10-2314	SB-E10-2314-01	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6380 UJ**	1000	1000	5000
NG	E10-2314	SB-E10-2314-01	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1280 UJ**	1000	79000	1000000
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
NG	E10-2314	SB-E10-2314-02	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1016 UJ**	1000	79000	1000000
NG	E10-4	SB-E10-4-03	11/17/1999	0 - 0.75 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**19000 U**	10000	110000	2100000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3800 U**	100000	1000	21000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3800 UJ**	10000	660	660
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**3800 U**	500000	900	4000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**3800 U**	500000	900	4000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3800 U**	100000	660	2000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**19000 U**	100000	6000	24000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**3800 U**	100000	660	660
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7600 U**	100000	2000	6000
NG	E10-618A	SB-E10-618A-04	11/12/1999	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3800 U**	10000	660	3000
NG	E10-8277	SB-E10-8277-01	11/12/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
NG	C11-2233D	TP-C11-2233D-07	8/10/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
NG	C11-2233D	TP-C11-2233D-07	8/10/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
NG	C11-2233D	TP-C11-2233D-07	8/10/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
NG	C11-2233D	TP-C11-2233D-07	8/10/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**399 U**	0.3	940	4200
NG	D10-13	TP-D10-13-01	8/9/2000	9 - 11 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 U**	0.3	940	4200
NG	D10-13	TP-D10-13-01	8/9/2000	9 - 9.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1210 U**	1000	79000	1000000
NG	E10-2031B	TP-E10-2031B-05	8/8/2000	1 - 3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**393 UJ**	0.3	940	4200
PETN	B10-2178	SB-B10-2178-03	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
PETN	B10-2178	SB-B10-2178-03	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
PETN	B10-2178	SB-B10-2178-03	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
PETN	B10-2178	SB-B10-2178-05	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
PETN	B10-2178	SB-B10-2178-05	11/19/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**100 U**	NA	2	2
PETN	B10-2178	SB-B10-2178-05	11/19/1999	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	**30 U**	NA	2	2
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
PETN	C10-15	SB-C10-15-02	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1059 UJ**	1000	79000	1000000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**160 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**160 U**	40	4700	61000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**160 U**	20	7800	100000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**160 U**	40	21000	95000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4500 U**	100000	1000	21000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4500 UJ**	100000	660	660
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4500 UJ**	50000	900	4000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4500 UJ**	100000	660	660
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9000 UJ**	100000	2000	6000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**23000 UJ**	10000	110000	2100000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4500 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4500 UJ**	500000	900	4000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4500 U**	10000	660	3000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4500 UJ**	500000	900	4000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4500 U**	10000	660	660
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**23000 U**	100000	6000	24000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4500 UJ**	500000	900	4000
PETN	C10-2	SB-C10-2-04	11/22/1999	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4500 U**	100000	660	2000
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-05	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1033 UJ**	1000	79000	1000000
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 1.67 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 1.67 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 1.67 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 1.67 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 1.67 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
PETN	C10-2	SB-C10-2-07	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1097 UJ**	1000	79000	1000000
PETN	C10-2176	SB-C10-2176-01	11/19/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4000 U**	500000	900	4000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4000 U**	0.3	940	4200
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4000 U**	10000	660	3000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4000 U**	500000	900	4000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4000 U**	100000	660	660
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4000 U**	500000	900	4000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4000 U**	50000	900	4000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4000 U**	100000	660	660
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8000 U**	100000	2000	6000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**20000 UJ**	10000	110000	2100000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4000 U**	100000	1000	21000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4000 U**	100000	660	2000
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4000 UJ**	10000	660	660
PETN	C10-2179	SB-C10-2179-03	11/19/1999	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**20000 U**	100000	6000	24000
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1143 UJ**	1000	79000	1000000
PETN	C10-4	SB-C10-4-02	11/19/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
PETN	C10-4	SB-C10-4-02	11/19/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
PETN	C10-4	SB-C10-4-07	11/19/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
PETN	C10-4	SB-C10-4-07	11/19/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
PETN	C10-4	SB-C10-4-07	11/19/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
PETN	C10-4	SB-C10-4-07	11/19/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	I11-8278	SB-I11-8278-03	5/4/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	I11-8278	SB-I11-8278-03	5/4/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	I11-8278	SB-I11-8278-03	5/4/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	I11-8278	SB-I11-8278-03	5/4/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	I11-8278	SB-I11-8278-03	5/4/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-03	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J10-2	SB-J10-2-03	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J10-2	SB-J10-2-03	5/5/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J10-2	SB-J10-2-03	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2000 U**	10000	660	660
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2000 U**	10000	660	3000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**4100 UJ**	100000	2000	6000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2000 U**	100000	660	2000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2000 U**	100000	1000	21000
STORAGE	J10-2	SB-J10-2-04	5/5/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**2000 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**2100 U**	10000	660	660
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**2100 U**	100000	1000	21000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**4100 UJ**	100000	2000	6000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**2100 U**	100000	660	2000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**2100 U**	10000	660	3000
STORAGE	J10-2	SB-J10-2-08	5/5/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**2100 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8100 U**	100000	6000	24000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8100 UJ**	100000	2000	6000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
STORAGE	J10-2	SB-J10-2-11	5/5/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4100 U**	0.3	940	4200
STORAGE	J10-9122	SB-J10-9122-03	5/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**7200 UJ**	100000	6000	24000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**3600 UJ**	100000	1000	21000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**7200 UJ**	100000	2000	6000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**3600 UJ**	10000	660	660
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**3600 UJ**	100000	660	2000
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**3600 UJ**	10000	660	3000
STORAGE	J8-9220	SB-J8-9220-02	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J8-9220	SB-J8-9220-02	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J8-9220	SB-J8-9220-02	5/9/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J8-9220	SB-J8-9220-05	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J8-9220	SB-J8-9220-05	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J8-9220	SB-J8-9220-05	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J8-9220	SB-J8-9220-05	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	J9-2	SB-J9-2-02	5/9/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	J9-2	SB-J9-2-02	5/9/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	J9-2	SB-J9-2-02	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J9-2	SB-J9-2-02	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J9-2	SB-J9-2-02	5/9/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	J9-6	SB-J9-6-01	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
STORAGE	J9-6	SB-J9-6-01	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
STORAGE	J9-6	SB-J9-6-01	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
STORAGE	J9-6	SB-J9-6-01	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
STORAGE	J9-6	SB-J9-6-02	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	J9-6	SB-J9-6-02	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	J9-6	SB-J9-6-02	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	J9-6	SB-J9-6-02	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2125	SB-K7-2125-01	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	K7-2125	SB-K7-2125-01	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	K7-2125	SB-K7-2125-01	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	K7-2125	SB-K7-2125-01	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	K7-2125	SB-K7-2125-05	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-2125	SB-K7-2125-05	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2125	SB-K7-2125-05	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2126	SB-K7-2126-03	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	K7-2126	SB-K7-2126-03	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	K7-2126	SB-K7-2126-05	4/28/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2126	SB-K7-2126-05	4/28/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-2126	SB-K7-2126-05	4/28/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2127	SB-K7-2127-03	5/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2127	SB-K7-2127-03	5/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2127	SB-K7-2127-03	5/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K7-2127	SB-K7-2127-03	5/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-2127	SB-K7-2127-05	5/2/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2127	SB-K7-2127-05	5/2/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-2127	SB-K7-2127-05	5/2/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2127	SB-K7-2127-05	5/2/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K7-2132	SB-K7-2132-03	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-2132	SB-K7-2132-03	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2132	SB-K7-2132-03	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-2132	SB-K7-2132-03	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K7-2132	SB-K7-2132-05	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K7-2132	SB-K7-2132-05	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-2132	SB-K7-2132-05	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-3	SB-K7-3-03	5/2/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K7-3	SB-K7-3-03	5/2/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K7-3	SB-K7-3-03	5/2/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K7-3	SB-K7-3-03	5/2/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K7-3	SB-K7-3-03	5/2/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	K7-F5	SB-K7-F5-02	5/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	K8-1	SB-K8-1-01	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K8-1	SB-K8-1-01	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-1	SB-K8-1-05	4/28/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-1	SB-K8-1-05	4/28/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K8-1	SB-K8-1-05	4/28/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K8-1	SB-K8-1-05	4/28/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K8-1	SB-K8-1-05	4/28/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**520 U**	0.3	940	4200
STORAGE	K8-393	SB-K8-393-01	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	K8-393	SB-K8-393-01	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-393	SB-K8-393-01	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K8-393	SB-K8-393-01	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**371 U**	0.3	940	4200
STORAGE	K8-393	SB-K8-393-05	4/28/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K8-393	SB-K8-393-05	4/28/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K8-393	SB-K8-393-05	4/28/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-9207	SB-K8-9207-02	5/5/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	K8-9207	SB-K8-9207-02	5/5/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	K8-9207	SB-K8-9207-02	5/5/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	K8-9207	SB-K8-9207-04	7/25/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-9212	SB-K8-9212-02	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	K8-9212	SB-K8-9212-02	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	K8-9212	SB-K8-9212-02	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	K8-9212	SB-K8-9212-02	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	K8-9212	SB-K8-9212-02	5/9/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**11 U**	NA	2	2
STORAGE	K8-9212	SB-K8-9212-07	5/9/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	K8-9212A	SB-K8-9212A-01	5/9/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
STORAGE	K8-9212A	SB-K8-9212A-04	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**427 U**	0.3	940	4200
STORAGE	K9-3	SB-K9-3-01	5/9/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
STORAGE	K9-9203	SB-K9-9203-01	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	K9-9203	SB-K9-9203-01	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	K9-9203	SB-K9-9203-01	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	K9-9203	SB-K9-9203-01	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	K9-9203	SB-K9-9203-07	5/4/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
STORAGE	K9-9203	SB-K9-9203-07	5/4/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
STORAGE	K9-9203	SB-K9-9203-07	5/4/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
STORAGE	K9-9204	SB-K9-9204-01	5/4/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K9-9204	SB-K9-9204-01	5/4/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K9-9204	SB-K9-9204-01	5/4/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	K9-9204	SB-K9-9204-05	5/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	K9-9204	SB-K9-9204-05	5/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	K9-9204	SB-K9-9204-05	5/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L6-2128	SB-L6-2128-03	4/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L6-2128	SB-L6-2128-03	4/28/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L6-2128	SB-L6-2128-03	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L6-2128	SB-L6-2128-03	4/28/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L6-2128	SB-L6-2128-05	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L6-2128	SB-L6-2128-05	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	L6-2129	SB-L6-2129-03	5/2/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L6-2129	SB-L6-2129-03	5/2/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L6-2129	SB-L6-2129-03	5/2/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L6-2129	SB-L6-2129-05	5/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L6-2129	SB-L6-2129-05	5/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L7-1	SB-L7-1-01	8/2/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 UJ**	0.3	940	4200
STORAGE	L7-1	SB-L7-1-03	5/23/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
STORAGE	L7-2	SB-L7-2-02	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	L7-2	SB-L7-2-02	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	L7-2	SB-L7-2-02	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	L7-2	SB-L7-2-02	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	L7-2	SB-L7-2-02	5/9/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	L7-2130	SB-L7-2130-01	5/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**136.9 U**	40	4700	61000
STORAGE	L7-2130	SB-L7-2130-01	5/11/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**136.9 U**	0.3	940	4200
STORAGE	L7-2130	SB-L7-2130-01	5/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**136.9 U**	20	7800	100000
STORAGE	L7-2130	SB-L7-2130-06	5/11/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140 U**	20	7800	100000
STORAGE	L7-2130	SB-L7-2130-06	5/11/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 U**	40	21000	95000
STORAGE	L7-2130	SB-L7-2130-06	5/11/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140 U**	40	4700	61000
STORAGE	L7-2131	SB-L7-2131-04	5/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	L7-2131	SB-L7-2131-04	5/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	L7-2131	SB-L7-2131-05	5/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L7-2131	SB-L7-2131-05	5/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L7-2131	SB-L7-2131-05	5/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L7-4	SB-L7-4-02	5/2/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
STORAGE	L7-6	SB-L7-6-01	5/5/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
STORAGE	L7-8115	SB-L7-8115-02	5/5/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	L7-8115	SB-L7-8115-04	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**404 U**	0.3	940	4200
STORAGE	L7-9206	SB-L7-9206-01	5/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
STORAGE	L7-9206	SB-L7-9206-01	5/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
STORAGE	L7-9206	SB-L7-9206-01	5/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
STORAGE	L7-9206	SB-L7-9206-01	5/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
STORAGE	L7-9206	SB-L7-9206-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L7-9206	SB-L7-9206-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L7-9206	SB-L7-9206-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L7-9206	SB-L7-9206-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L7-9315	SB-L7-9315-01	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L7-9315	SB-L7-9315-01	5/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L7-9315	SB-L7-9315-01	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L7-9315	SB-L7-9315-01	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L7-9315	SB-L7-9315-02	8/2/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**185 U**	40	4700	61000
STORAGE	L7-9315	SB-L7-9315-02	8/2/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**185 U**	20	7800	100000
STORAGE	L7-9315	SB-L7-9315-02	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**185 U**	40	21000	95000
STORAGE	L7-9315	SB-L7-9315-02	8/2/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**185 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	L8-8215	SB-L8-8215-01	5/4/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L8-8215	SB-L8-8215-01	5/4/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L8-8215	SB-L8-8215-01	5/4/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L8-8215	SB-L8-8215-01	5/4/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L8-8215	SB-L8-8215-01	5/4/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	L8-8235	SB-L8-8235-01	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
STORAGE	L8-8235	SB-L8-8235-02	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**413 U**	0.3	940	4200
STORAGE	L8-9202	SB-L8-9202-01	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L8-9202	SB-L8-9202-01	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	L8-9202	SB-L8-9202-01	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L8-9202	SB-L8-9202-01	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L8-9202	SB-L8-9202-07	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	L8-9202	SB-L8-9202-07	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	L8-9202	SB-L8-9202-07	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	L8-9202	SB-L8-9202-07	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-01	5/5/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-01	5/5/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-01	5/5/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-01	5/5/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-06	5/5/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-06	5/5/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-06	5/5/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-06	5/5/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-07	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-07	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-07	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-07	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-11	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-11	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-11	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-11	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-13	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-13	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-13	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-13	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-14	5/5/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-14	5/5/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-14	5/5/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-14	5/5/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
STORAGE	M6-1	SB-M6-1-15	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-15	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-15	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-15	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	M6-1	SB-M6-1-18	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M6-1	SB-M6-1-18	5/5/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M6-1	SB-M6-1-18	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M6-1	SB-M6-1-18	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M7-1	SB-M7-1-01	5/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	M7-1	SB-M7-1-01	5/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	M7-1	SB-M7-1-01	5/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	M7-1	SB-M7-1-01	5/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	M7-1	SB-M7-1-05	5/23/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M7-1	SB-M7-1-05	5/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M7-1	SB-M7-1-05	5/23/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**5200 U**	100000	660	2000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**5200 UJ**	10000	660	660
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**10000 U**	100000	2000	6000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**10000 UJ**	10000	110000	2100000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**5200 U**	500000	900	4000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**5200 UJ**	10000	660	3000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**5200 U**	50000	900	4000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**10000 U**	100000	6000	24000
STORAGE	M7-2	SB-M7-2-02	5/11/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**5200 U**	100000	1000	21000
STORAGE	M7-2	SB-M7-2-04	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**13.3 U**	NA	2	2
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4800 U**	500000	900	4000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4800 U**	100000	1000	21000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4800 UJ**	10000	660	660
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**9700 U**	100000	6000	24000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4800 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4800 U**	500000	900	4000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4800 U**	100000	660	2000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4800 U**	50000	900	4000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**9700 U**	100000	2000	6000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4800 UJ**	10000	660	3000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4800 U**	500000	900	4000
STORAGE	M7-2	SB-M7-2-05	5/11/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4800 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**2.3 U**	NA	2	2
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**790 UJ**	10000	660	3000
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**790 UJ**	10000	660	660
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**790 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**790 U**	100000	660	2000
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**790 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-11	5/11/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**790 U**	0.3	940	4200
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**680 UJ**	10000	660	660
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**680 U**	100000	660	2000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**680 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**680 U**	100000	660	660
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**680 UJ**	10000	660	3000
STORAGE	M7-2	SB-M7-2-13	5/11/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**680 U**	0.3	940	4200
STORAGE	M7-2	SB-M7-2-15	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	M7-9205	SB-M7-9205-01	5/23/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M7-9205	SB-M7-9205-01	5/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M7-9205	SB-M7-9205-01	5/23/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M7-9205	SB-M7-9205-01	5/23/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M7-9205	SB-M7-9205-05	5/23/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M7-9205	SB-M7-9205-05	5/23/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M7-9205	SB-M7-9205-05	5/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M7-9205	SB-M7-9205-05	5/23/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M8-9201	SB-M8-9201-01	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M8-9201	SB-M8-9201-01	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M8-9201	SB-M8-9201-01	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	M8-9201	SB-M8-9201-10	5/5/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	M8-9201	SB-M8-9201-10	5/5/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	M8-9201	SB-M8-9201-10	5/5/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	M8-9201	SB-M8-9201-10	5/5/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4230 U**	100000	660	660
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4230 U**	500000	900	4000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8460 U**	100000	6000	24000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4230 U**	100000	1000	21000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8460 U**	100000	2000	6000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4230 U**	10000	660	660
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4230 U**	10000	660	3000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4230 U**	500000	900	4000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4230 U**	100000	660	660
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4230 U**	50000	900	4000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4230 U**	500000	900	4000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4230 U**	100000	660	2000
STORAGE	N5-3	SB-N5-3-01	7/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4230 U**	0.3	940	4200
STORAGE	N5-3	SB-N5-3-03	5/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	N5-533	SB-N5-533-01	7/25/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
STORAGE	N5-533	SB-N5-533-05	5/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
STORAGE	N5-581	SB-N5-581-01	5/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	N5-581	SB-N5-581-05	7/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**394 U**	0.3	940	4200
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**6.4 U**	NA	2	2
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4400 U**	10000	660	660
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4400 UJ**	10000	660	3000
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4400 U**	100000	660	660
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8900 UJ**	100000	2000	6000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4400 U**	100000	660	2000
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8900 U**	100000	6000	24000
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4400 U**	100000	1000	21000
STORAGE	N5-582	SB-N5-582-02	5/12/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4400 U**	0.3	940	4200
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	N6-9208	SB-N6-9208-03	5/2/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N6-9208	SB-N6-9208-03	5/2/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N6-9208	SB-N6-9208-03	5/2/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N6-9208	SB-N6-9208-03	5/2/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N6-9208	SB-N6-9208-04	5/2/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N6-9208	SB-N6-9208-04	5/2/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N6-9208	SB-N6-9208-04	5/2/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N6-9208	SB-N6-9208-04	5/2/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N7-2	SB-N7-2-06	5/2/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**7.1 UN**	NA	2	2
STORAGE	N7-2	SB-N7-2-07	5/2/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**12.8 UN**	NA	2	2
STORAGE	N7-2	SB-N7-2-07	5/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
STORAGE	N7-2	SB-N7-2-10	5/2/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.1 UN**	NA	2	2
STORAGE	N7-2	SB-N7-2-10	5/2/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**830 U**	100000	660	2000
STORAGE	N7-2	SB-N7-2-10	5/2/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**830 U**	10000	660	3000
STORAGE	N7-2	SB-N7-2-10	5/2/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**830 U**	10000	660	660
STORAGE	N7-2	SB-N7-2-10	5/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**830 U**	0.3	940	4200
STORAGE	N7-2	SB-N7-2-13	5/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
STORAGE	N7-2	SB-N7-2-14	5/2/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
STORAGE	N7-2	SB-N7-2-17	5/2/2000	0 - 1 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**690 U**	10000	660	660
STORAGE	N7-2	SB-N7-2-17	5/2/2000	0 - 1 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**690 U**	10000	660	3000
STORAGE	N7-2	SB-N7-2-17	5/2/2000	0 - 1 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**690 U**	100000	660	2000
STORAGE	N7-2	SB-N7-2-17	5/2/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**690 U**	0.3	940	4200
STORAGE	N7-394	SB-N7-394-01	5/2/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N7-394	SB-N7-394-01	5/2/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-394	SB-N7-394-01	5/2/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-394	SB-N7-394-01	5/2/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N7-394	SB-N7-394-01	5/2/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
STORAGE	N7-394	SB-N7-394-03	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N7-394	SB-N7-394-03	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-394	SB-N7-394-03	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-394	SB-N7-394-03	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N7-394	SB-N7-394-03	7/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**437 U**	0.3	940	4200
STORAGE	N7-5	SB-N7-5-02	5/5/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	N7-571	SB-N7-571-02	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	N7-571	SB-N7-571-02	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
STORAGE	N7-571	SB-N7-571-02	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
STORAGE	N7-571	SB-N7-571-02	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
STORAGE	N7-571	SB-N7-571-02	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**435 U**	0.3	940	4200
STORAGE	N7-571	SB-N7-571-03	5/5/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-571	SB-N7-571-03	5/5/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-571	SB-N7-571-03	5/5/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N7-571	SB-N7-571-03	5/5/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N7-571	SB-N7-571-03	5/5/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	N7-572	SB-N7-572-01	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	N7-572	SB-N7-572-01	5/5/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	N7-572	SB-N7-572-01	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	N7-572	SB-N7-572-01	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	N7-572	SB-N7-572-01	5/5/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	N7-573	SB-N7-573-01	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-573	SB-N7-573-01	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-573	SB-N7-573-01	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N7-574	SB-N7-574-02	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-574	SB-N7-574-02	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-574	SB-N7-574-02	5/5/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N7-574	SB-N7-574-02	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N7-574	SB-N7-574-02	5/5/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	N7-574	SB-N7-574-03	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
STORAGE	N7-574	SB-N7-574-03	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
STORAGE	N7-574	SB-N7-574-03	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
STORAGE	N7-574	SB-N7-574-03	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
STORAGE	N7-574	SB-N7-574-03	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
STORAGE	N7-9222	SB-N7-9222-01	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217 U**	40	21000	95000
STORAGE	N7-9222	SB-N7-9222-01	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
STORAGE	N7-9222	SB-N7-9222-01	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
STORAGE	N7-9222	SB-N7-9222-01	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
STORAGE	N7-9222	SB-N7-9222-06	5/5/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N7-9222	SB-N7-9222-06	5/5/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N7-9222	SB-N7-9222-06	5/5/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	N8-389	SB-N8-389-04	8/2/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
STORAGE	N8-389	SB-N8-389-04	8/2/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
STORAGE	N8-389	SB-N8-389-04	8/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
STORAGE	N8-389	SB-N8-389-04	8/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
STORAGE	N8-389	SB-N8-389-05	4/28/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	N8-389	SB-N8-389-05	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	N8-389	SB-N8-389-05	4/28/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	N8-389	SB-N8-389-05	4/28/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O5-2	SB-O5-2-01	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	O5-2	SB-O5-2-04	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**374 U**	0.3	940	4200
STORAGE	O5-5	SB-O5-5-02	7/25/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
STORAGE	O5-5	SB-O5-5-03	5/11/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	O5-534	SB-O5-534-02	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**470 U**	0.3	940	4200
STORAGE	O5-534	SB-O5-534-04	5/11/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
STORAGE	O5-537	SB-O5-537-02	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
STORAGE	O5-537	SB-O5-537-02	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
STORAGE	O5-537	SB-O5-537-02	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
STORAGE	O5-537	SB-O5-537-02	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
STORAGE	O5-537	SB-O5-537-05	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	O5-537	SB-O5-537-05	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	O5-537	SB-O5-537-05	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	O5-537	SB-O5-537-05	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	O5-578	SB-O5-578-02	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O5-578	SB-O5-578-02	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O5-578	SB-O5-578-02	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O5-578	SB-O5-578-02	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O5-578	SB-O5-578-04	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
STORAGE	O5-578	SB-O5-578-04	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
STORAGE	O5-578	SB-O5-578-04	5/9/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
STORAGE	O5-578	SB-O5-578-04	5/9/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
STORAGE	O5-579	SB-O5-579-01	7/25/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O5-579	SB-O5-579-01	7/25/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O5-579	SB-O5-579-01	7/25/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O5-579	SB-O5-579-04	5/11/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
STORAGE	O5-579	SB-O5-579-04	5/11/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
STORAGE	O5-579	SB-O5-579-04	5/11/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
STORAGE	O5-579	SB-O5-579-04	5/11/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
STORAGE	O5-580.5	SB-O5-580.5-02	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	O5-580.5	SB-O5-580.5-05	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
STORAGE	O5-580.75	SB-O5-580.75-04	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
STORAGE	O5-580.75	SB-O5-580.75-04	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
STORAGE	O5-580.75	SB-O5-580.75-04	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
STORAGE	O5-580.75	SB-O5-580.75-04	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
STORAGE	O5-580.75	SB-O5-580.75-05	5/11/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 U**	40	4700	61000
STORAGE	O5-580.75	SB-O5-580.75-05	5/11/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**150 U**	20	7800	100000
STORAGE	O5-580.75	SB-O5-580.75-05	5/11/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 U**	40	21000	95000
STORAGE	O5-580.75	SB-O5-580.75-05	5/11/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**150 U**	0.3	940	4200
STORAGE	O5-6	SB-O5-6-02	5/10/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**151.7 U**	20	7800	100000
STORAGE	O5-6	SB-O5-6-02	5/10/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**151.7 U**	40	4700	61000
STORAGE	O5-6	SB-O5-6-02	5/10/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**151.7 U**	40	21000	95000
STORAGE	O5-6	SB-O5-6-02	5/10/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**151.7 U**	0.3	940	4200
STORAGE	O5-6	SB-O5-6-02	5/10/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	O5-6	SB-O5-6-03	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O5-6	SB-O5-6-03	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O5-6	SB-O5-6-03	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O5-6	SB-O5-6-03	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O5-6	SB-O5-6-03	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**379 U**	0.3	940	4200
STORAGE	O6-1	SB-O6-1-02	5/10/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
STORAGE	O6-577	SB-O6-577-01	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O6-577	SB-O6-577-01	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O6-577	SB-O6-577-01	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O6-577	SB-O6-577-01	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O6-577	SB-O6-577-03	5/10/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**157.8 U**	20	7800	100000
STORAGE	O6-577	SB-O6-577-03	5/10/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**157.8 U**	40	21000	95000
STORAGE	O6-577	SB-O6-577-03	5/10/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**157.8 U**	40	4700	61000
STORAGE	O6-577	SB-O6-577-03	5/10/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**157.8 U**	0.3	940	4200
STORAGE	O6-649	SB-O6-649-02	5/10/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**139.2 U**	40	4700	61000
STORAGE	O6-649	SB-O6-649-02	5/10/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**139.2 U**	40	21000	95000
STORAGE	O6-649	SB-O6-649-02	5/10/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**139.2 U**	20	7800	100000
STORAGE	O6-649	SB-O6-649-02	5/10/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**139.2 U**	0.3	940	4200
STORAGE	O6-649	SB-O6-649-02	5/10/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	O6-649	SB-O6-649-03	7/25/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
STORAGE	O6-649	SB-O6-649-03	7/25/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
STORAGE	O6-649	SB-O6-649-03	7/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
STORAGE	O6-649	SB-O6-649-03	7/25/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
STORAGE	O6-649	SB-O6-649-03	7/25/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**354 U**	0.3	940	4200
STORAGE	O6-650	SB-O6-650-01	7/25/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O6-650	SB-O6-650-01	7/25/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O6-650	SB-O6-650-01	7/25/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O6-650	SB-O6-650-01	7/25/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O6-650	SB-O6-650-01	7/25/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**395 U**	0.3	940	4200
STORAGE	O6-650	SB-O6-650-03	5/10/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**137.7 U**	40	21000	95000
STORAGE	O6-650	SB-O6-650-03	5/10/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**137.7 U**	40	4700	61000
STORAGE	O6-650	SB-O6-650-03	5/10/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**137.7 U**	20	7800	100000
STORAGE	O6-650	SB-O6-650-03	5/10/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**137.7 U**	0.3	940	4200
STORAGE	O6-650	SB-O6-650-03	5/10/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	O6-9223	SB-O6-9223-06	5/9/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O6-9223	SB-O6-9223-06	5/9/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O6-9223	SB-O6-9223-06	5/9/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O6-9223	SB-O6-9223-06	5/9/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O6-9223	SB-O6-9223-07	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O6-9223	SB-O6-9223-07	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O6-9224	SB-O6-9224-03	5/9/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
STORAGE	O6-9224	SB-O6-9224-03	5/9/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
STORAGE	O6-9224	SB-O6-9224-03	5/9/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	O6-9224	SB-O6-9224-06	5/9/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O6-9224	SB-O6-9224-06	5/9/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O6-9224	SB-O6-9224-06	5/9/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O6-9224	SB-O6-9224-06	5/9/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-1	SB-O7-1-01	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-1	SB-O7-1-01	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-1	SB-O7-1-01	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-1	SB-O7-1-01	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-1	SB-O7-1-03	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-1	SB-O7-1-03	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-1	SB-O7-1-03	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-1	SB-O7-1-03	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-2	SB-O7-2-01	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-2	SB-O7-2-01	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-2	SB-O7-2-01	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-2	SB-O7-2-01	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-2	SB-O7-2-01	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**401 U**	0.3	940	4200
STORAGE	O7-2	SB-O7-2-02	5/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	O7-2	SB-O7-2-02	5/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	O7-2	SB-O7-2-02	5/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	O7-2	SB-O7-2-02	5/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	O7-2	SB-O7-2-02	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	O7-391	SB-O7-391-02	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-391	SB-O7-391-02	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-391	SB-O7-391-02	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-391	SB-O7-391-02	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-391	SB-O7-391-03	5/5/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-391	SB-O7-391-03	5/5/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-391	SB-O7-391-03	5/5/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-391	SB-O7-391-03	5/5/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-395	SB-O7-395-02	5/5/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-395	SB-O7-395-02	5/5/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-395	SB-O7-395-02	5/5/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-395	SB-O7-395-02	5/5/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-395	SB-O7-395-02	5/5/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
STORAGE	O7-395	SB-O7-395-03	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-395	SB-O7-395-03	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-395	SB-O7-395-03	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-395	SB-O7-395-03	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-395	SB-O7-395-03	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**425 U**	0.3	940	4200
STORAGE	O7-396	SB-O7-396-02	5/10/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**135 U**	40	4700	61000
STORAGE	O7-396	SB-O7-396-02	5/10/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**135 U**	20	7800	100000
STORAGE	O7-396	SB-O7-396-02	5/10/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**135 U**	40	21000	95000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	O7-396	SB-O7-396-02	5/10/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**135 U**	0.3	940	4200
STORAGE	O7-396	SB-O7-396-02	5/10/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 U**	0.3	940	4200
STORAGE	O7-576	SB-O7-576-02	5/10/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**162.5 U**	40	21000	95000
STORAGE	O7-576	SB-O7-576-02	5/10/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**162.5 U**	20	7800	100000
STORAGE	O7-576	SB-O7-576-02	5/10/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**162.5 U**	40	4700	61000
STORAGE	O7-576	SB-O7-576-02	5/10/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**162.5 U**	0.3	940	4200
STORAGE	O7-576	SB-O7-576-02	5/10/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	O7-615E	SB-O7-615E-01	5/5/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	O7-615E	SB-O7-615E-04	7/26/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	O7-9319	SB-O7-9319-01	5/5/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	O7-9319	SB-O7-9319-01	5/5/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	O7-9319	SB-O7-9319-01	5/5/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	O7-9319	SB-O7-9319-01	5/5/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-04	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-06	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-12	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-13	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-15	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-18	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	O8-3	SB-O8-3-20	5/4/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	O8-392	SB-O8-392-02	5/2/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O8-392	SB-O8-392-02	5/2/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O8-392	SB-O8-392-02	5/2/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O8-732	SB-O8-732-01	5/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O8-732	SB-O8-732-01	5/4/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O8-732	SB-O8-732-01	5/4/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O8-732	SB-O8-732-01	5/4/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	O8-732	SB-O8-732-01	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
STORAGE	O8-732	SB-O8-732-04	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	O8-732	SB-O8-732-04	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	O8-732	SB-O8-732-04	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	O8-732	SB-O8-732-04	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	O8-732	SB-O8-732-04	7/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
STORAGE	P5-2	SB-P5-2-01	5/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**167.8 U**	40	4700	61000
STORAGE	P5-2	SB-P5-2-01	5/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**167.8 U**	20	7800	100000
STORAGE	P5-2	SB-P5-2-01	5/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**167.8 U**	40	21000	95000
STORAGE	P5-2	SB-P5-2-01	5/11/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**167.8 U**	0.3	940	4200
STORAGE	P5-2	SB-P5-2-01	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	P5-2	SB-P5-2-03	7/26/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P5-2	SB-P5-2-03	7/26/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P5-2	SB-P5-2-03	7/26/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P5-2	SB-P5-2-03	7/26/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	P5-2	SB-P5-2-03	7/26/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**372 U**	0.3	940	4200
STORAGE	P5-3	SB-P5-3-01	7/26/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P5-3	SB-P5-3-01	7/26/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P5-3	SB-P5-3-01	7/26/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P5-3	SB-P5-3-01	7/26/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	P5-3	SB-P5-3-01	7/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**377 U**	0.3	940	4200
STORAGE	P5-3	SB-P5-3-02	5/11/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**151.3 U**	20	7800	100000
STORAGE	P5-3	SB-P5-3-02	5/11/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**151.3 U**	40	4700	61000
STORAGE	P5-3	SB-P5-3-02	5/11/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**151.3 U**	40	21000	95000
STORAGE	P5-3	SB-P5-3-02	5/11/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**151.3 U**	0.3	940	4200
STORAGE	P5-3	SB-P5-3-02	5/11/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
STORAGE	P5-535	SB-P5-535-04	5/11/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**175.8 U**	20	7800	100000
STORAGE	P5-535	SB-P5-535-04	5/11/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**175.8 U**	40	4700	61000
STORAGE	P5-535	SB-P5-535-04	5/11/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**175.8 U**	0.3	940	4200
STORAGE	P5-536	SB-P5-536-01	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P5-536	SB-P5-536-01	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P5-536	SB-P5-536-01	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P5-536	SB-P5-536-01	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	P6-541	SB-P6-541-01	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**238 U**	40	21000	95000
STORAGE	P6-541	SB-P6-541-01	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**238 U**	40	4700	61000
STORAGE	P6-541	SB-P6-541-01	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**238 U**	20	7800	100000
STORAGE	P6-541	SB-P6-541-01	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**238 U**	0.3	940	4200
STORAGE	P6-541	SB-P6-541-01	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**402 U**	0.3	940	4200
STORAGE	P6-541	SB-P6-541-05	5/10/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**154.2 U**	40	21000	95000
STORAGE	P6-541	SB-P6-541-05	5/10/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**154.2 U**	20	7800	100000
STORAGE	P6-541	SB-P6-541-05	5/10/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**154.2 U**	40	4700	61000
STORAGE	P6-541	SB-P6-541-05	5/10/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**154.2 U**	0.3	940	4200
STORAGE	P6-651	SB-P6-651-02	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P6-651	SB-P6-651-02	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P6-651	SB-P6-651-02	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P6-651	SB-P6-651-02	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	P6-651	SB-P6-651-02	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	P6-651	SB-P6-651-04	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P6-651	SB-P6-651-04	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P6-651	SB-P6-651-04	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P6-651	SB-P6-651-04	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	P6-651	SB-P6-651-04	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**368 U**	0.3	940	4200
STORAGE	P6-9225	SB-P6-9225-03	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	P6-9225	SB-P6-9225-03	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	P6-9225	SB-P6-9225-03	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	P6-9225	SB-P6-9225-03	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	P6-9225	SB-P6-9225-05	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	P7-4	SB-P7-4-01	5/12/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P7-4	SB-P7-4-01	5/12/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P7-4	SB-P7-4-01	5/12/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P7-4	SB-P7-4-01	5/12/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	P7-4	SB-P7-4-01	5/12/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	P7-575	SB-P7-575-01	5/9/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	P7-575	SB-P7-575-01	5/9/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	P7-575	SB-P7-575-01	5/9/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	P7-575	SB-P7-575-01	5/9/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	P7-575	SB-P7-575-01	5/9/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
STORAGE	P7-575	SB-P7-575-04	5/9/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
STORAGE	P7-575	SB-P7-575-04	5/9/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
STORAGE	P7-575	SB-P7-575-04	5/9/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
STORAGE	P7-575	SB-P7-575-04	5/9/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
STORAGE	P7-575	SB-P7-575-04	5/9/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	P7-9209	SB-P7-9209-03	5/10/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140.3 U**	40	21000	95000
STORAGE	P7-9209	SB-P7-9209-03	5/10/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**140.3 U**	20	7800	100000
STORAGE	P7-9209	SB-P7-9209-03	5/10/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**140.3 U**	40	4700	61000
STORAGE	P7-9209	SB-P7-9209-03	5/10/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140.3 U**	0.3	940	4200
STORAGE	P7-9209	SB-P7-9209-06	5/10/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**141.6 U**	40	4700	61000
STORAGE	P7-9209	SB-P7-9209-06	5/10/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**141.6 U**	20	7800	100000
STORAGE	P7-9209	SB-P7-9209-06	5/10/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**141.6 U**	40	21000	95000
STORAGE	Q6-1	SB-Q06-1-01	10/6/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
STORAGE	Q6-1	SB-Q06-1-01	10/6/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
STORAGE	Q4-2	SB-Q4-2-03	5/10/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
STORAGE	Q6-583	SB-Q6-583-01	5/25/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1126 UJ**	1000	79000	1000000
STORAGE	Q6-583	SB-Q6-583-02	9/13/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1180 UJ**	1000	79000	1000000
STORAGE	Q6-584	SB-Q6-584-01	7/26/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	Q6-584	SB-Q6-584-01	7/26/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	Q6-584	SB-Q6-584-01	7/26/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	Q6-584	SB-Q6-584-01	7/26/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	Q6-584	SB-Q6-584-01	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**374 U**	0.3	940	4200
STORAGE	Q6-584	SB-Q6-584-02	5/10/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**141.5 U**	40	4700	61000
STORAGE	Q6-584	SB-Q6-584-02	5/10/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**141.5 U**	40	21000	95000
STORAGE	Q6-584	SB-Q6-584-02	5/10/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**141.5 U**	20	7800	100000
STORAGE	Q6-584	SB-Q6-584-02	5/10/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**141.5 U**	0.3	940	4200
STORAGE	Q6-584	SB-Q6-584-02	5/10/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
STORAGE	Q6-8	SB-Q6-8-03	5/4/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	Q6-8	SB-Q6-8-03	5/4/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	Q6-8	SB-Q6-8-03	5/4/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	Q6-8	SB-Q6-8-03	5/4/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
STORAGE	Q6-8	SB-Q6-8-03	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**360 U**	0.3	940	4200
STORAGE	Q6-8	SB-Q6-8-05	7/26/2000	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	Q6-8	SB-Q6-8-05	7/26/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	Q6-8	SB-Q6-8-05	7/26/2000	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	Q6-8	SB-Q6-8-05	7/26/2000	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**383 U**	0.3	940	4200
STORAGE	Q6-9311	SB-Q6-9311-01	9/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**100 U**	40	4700	61000
STORAGE	Q6-9311	SB-Q6-9311-01	9/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**100 U**	20	7800	100000
STORAGE	Q6-9311	SB-Q6-9311-01	9/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**100 U**	40	21000	95000
STORAGE	Q6-9311	SB-Q6-9311-01	9/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**100 U**	0.3	940	4200
STORAGE	Q6-9311	SB-Q6-9311-01	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**361 U**	0.3	940	4200
STORAGE	Q6-9311	SB-Q6-9311-03	7/13/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**179 U**	40	4700	61000
STORAGE	Q6-9311	SB-Q6-9311-03	7/13/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**179 U**	20	7800	100000
STORAGE	Q6-9311	SB-Q6-9311-03	7/13/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**179 U**	40	21000	95000
STORAGE	Q6-9311	SB-Q6-9311-03	7/13/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**179 U**	0.3	940	4200
STORAGE	Q6-9311	SB-Q6-9311-03	7/13/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**359 U**	0.3	940	4200
STORAGE	R5-1	SB-R5-1-03	7/26/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**409 U**	0.3	940	4200
STORAGE	R5-2	SB-R5-2-01	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	R5-2	SB-R5-2-03	5/4/2000	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2.5 U**	NA	2	2
STORAGE	R5-2	SB-R5-2-03	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
STORAGE	R5-2	SB-R5-2-05	5/4/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
STORAGE	R6-1	SB-R6-1-01	5/4/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**350 U**	0.3	940	4200
STORAGE	R6-1	SB-R6-1-02	7/26/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**387 U**	0.3	940	4200
STORAGE	R6-11	SB-R6-11-02	5/10/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
STORAGE	R6-11	SB-R6-11-03	7/27/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	R6-11	SB-R6-11-03	7/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	R6-11	SB-R6-11-03	7/27/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	R6-11	SB-R6-11-03	7/27/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	R6-11	SB-R6-11-03	7/27/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**397 U**	0.3	940	4200
STORAGE	S6-1	SB-S6-1-02	7/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	S6-1	SB-S6-1-02	7/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	S6-1	SB-S6-1-02	7/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	S6-1	SB-S6-1-02	7/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	S6-1	SB-S6-1-02	7/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**423 U**	0.3	940	4200
STORAGE	S6-1	SB-S6-1-05	5/10/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 UJ**	0.3	940	4200
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4160 U**	10000	660	3000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8310 U**	100000	6000	24000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4160 U**	10000	660	660
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4160 U**	100000	660	2000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8310 U**	100000	2000	6000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4160 U**	100000	1000	21000
STORAGE	S7-1	SB-S7-1-01	7/27/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**4160 U**	0.3	940	4200
STORAGE	S7-1	SB-S7-1-02	5/10/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**160.1 U**	40	4700	61000
STORAGE	S7-1	SB-S7-1-02	5/10/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**160.1 U**	20	7800	100000
STORAGE	S7-1	SB-S7-1-02	5/10/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**160.1 U**	40	21000	95000
STORAGE	S7-1	SB-S7-1-02	5/10/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**160.1 U**	0.3	940	4200
STORAGE	S7-1	SB-S7-1-02	5/10/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
STORAGE	P7-575	TP-P7-575-08	8/10/2000	2.5 - 4.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**179 U**	40	4700	61000
STORAGE	P7-575	TP-P7-575-08	8/10/2000	2.5 - 4.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**179 U**	20	7800	100000
STORAGE	P7-575	TP-P7-575-08	8/10/2000	2.5 - 4.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**179 U**	40	21000	95000
STORAGE	P7-575	TP-P7-575-08	8/10/2000	2.5 - 4.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**179 U**	0.3	940	4200
STORAGE	P7-575	TP-P7-575-08	8/10/2000	2.5 - 4.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**386 U**	0.3	940	4200
TNT	A10-3	SB-A10-3-01	10/8/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
TNT	A10-516	SB-A10-516-05	10/8/1999	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
TNT	A10-516	SB-A10-516-05	10/8/1999	0.5 - 1.0 ft.	VOC	MTLNCL	METHYLENE CHLORIDE	UG/KG	**1500 UJ**	1000	49000	210000
TNT	A10-516	SB-A10-516-06	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1250 UJ**	1000	79000	1000000
TNT	A10-516	SB-A10-516-06	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**6250 UJ**	1000	1000	5000
TNT	A11-1	SB-A11-1-01	10/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	A11-1	SB-A11-1-01	10/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	A11-1	SB-A11-1-01	10/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	A11-1	SB-A11-1-01	10/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
TNT	A11-1	SB-A11-1-01	10/8/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**2 U**	NA	2	2
TNT	A11-1	SB-A11-1-04	10/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000
TNT	A11-1	SB-A11-1-04	10/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
TNT	A11-1	SB-A11-1-04	10/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
TNT	A11-1	SB-A11-1-04	10/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**460 U**	0.3	940	4200
TNT	A11-3	SB-A11-3-03	10/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	A11-3	SB-A11-3-03	10/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	A11-3	SB-A11-3-03	10/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
TNT	A11-3	SB-A11-3-03	10/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	A11-3	SB-A11-3-03	10/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
TNT	A11-3	SB-A11-3-05	10/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
TNT	A11-3	SB-A11-3-05	10/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
TNT	A11-3	SB-A11-3-05	10/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
TNT	A11-3	SB-A11-3-05	10/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
TNT	A11-3	SB-A11-3-05	10/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
TNT	A11-570	SB-A11-570-01	6/8/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**428 U**	0.3	940	4200
TNT	A11-8	SB-A11-8-02	6/8/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
TNT	A11-8	SB-A11-8-02	6/8/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	A11-8	SB-A11-8-02	6/8/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	A11-8	SB-A11-8-02	6/8/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
TNT	A11-8	SB-A11-8-02	6/8/2000	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
TNT	A11-8	SB-A11-8-03	10/14/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	A11-8	SB-A11-8-03	10/14/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	A11-8	SB-A11-8-03	10/14/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	A11-8	SB-A11-8-03	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A11-9	SB-A11-9-03	10/14/1999	0 - 1.3 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
TNT	A11-9	SB-A11-9-04	10/14/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A12-3	SB-A12-3-03	10/15/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**450 U**	0.3	940	4200
TNT	A12-3	SB-A12-3-03	10/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
TNT	A12-4	SB-A12-4-01	10/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**430 U**	0.3	940	4200
TNT	A12-4	SB-A12-4-02	6/8/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
TNT	A12-4	SB-A12-4-02	6/8/2000	0 - 1.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	A12-4	SB-A12-4-02	6/8/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
TNT	A12-4	SB-A12-4-02	6/8/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	A12-4	SB-A12-4-02	6/8/2000	0 - 1.25 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**433 U**	0.3	940	4200
TNT	A12-5	SB-A12-5-03	10/15/1999	0 - 1.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
TNT	A12-5	SB-A12-5-03	10/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
TNT	A12-5	SB-A12-5-05	10/15/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A12-5	SB-A12-5-05	10/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 U**	1000	79000	1000000
TNT	A12-6	SB-A12-6-01	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
TNT	A12-6	SB-A12-6-02	6/8/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227 U**	40	21000	95000
TNT	A12-6	SB-A12-6-02	6/8/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
TNT	A12-6	SB-A12-6-02	6/8/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227 U**	40	4700	61000
TNT	A12-6	SB-A12-6-02	6/8/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
TNT	A12-6	SB-A12-6-02	6/8/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**399 U**	0.3	940	4200
TNT	A12-7	SB-A12-7-03	10/14/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
TNT	A12-7	SB-A12-7-03	10/14/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
TNT	A12-7	SB-A12-7-04	11/19/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	A12-7	SB-A12-7-04	11/19/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	A12-7	SB-A12-7-04	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 UJ**	40	4700	61000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**4400000 U**	100000	6000	24000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	ISOP	ISOPHORONE	UG/KG	**880000 U**	50000	1100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	NNSPH	N-NITROSODIPHENYLAMINE	UG/KG	**880000 U**	100000	140000	600000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DNP24	2,4-DINITROPHENOL	UG/KG	**4400000 U**	10000	110000	2100000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	FL	FLUORENE	UG/KG	**880000 U**	100000	2300000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	FLA	FLUORANTHENE	UG/KG	**880000 U**	100000	2300000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**880000 U**	100000	1000	21000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	HCCP	HEXACHLOROCYCLOPENTADIENE	UG/KG	**880000 U**	100000	400000	7300000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**880000 U**	100000	660	2000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DNBP	DI-n-BUTYL PHTHALATE	UG/KG	**880000 U**	100000	5700000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**880000 U**	500000	900	4000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DMPH	DIMETHYL PHTHALATE	UG/KG	**880000 U**	50000	10000000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	NAPH	NAPHTHALENE	UG/KG	**880000 U**	100000	230000	4200000

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Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	ACNP	ACENAPHTHENE	UG/KG	**880000 U**	100000	3400000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**880000 U**	10000	660	660
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	PHENOL	PHENOL	UG/KG	**880000 U**	50000	10000000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	PYR	PYRENE	UG/KG	**880000 U**	100000	1700000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	TCB124	1,2,4-TRICHLOROBENZENE	UG/KG	**880000 U**	100000	68000	1200000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	TCP246	2,4,6-TRICHLOROPHENOL	UG/KG	**880000 U**	10000	62000	270000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**880000 U**	0.3	940	4200
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	HCLEA	HEXACHLOROETHANE	UG/KG	**880000 U**	100000	6000	100000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	CHRYSENE	CHRYSENE	UG/KG	**880000 U**	500000	9000	40000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	ANTH	ANTHRACENE	UG/KG	**880000 U**	100000	10000000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BBP	BENZYL BUTYL PHTHALATE	UG/KG	**880000 U**	100000	1100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**880000 U**	10000	660	3000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BIS2EHP	bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	**880000 U**	100000	49000	210000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**880000 U**	500000	900	4000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**880000 U**	100000	660	660
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**880000 U**	50000	900	4000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DNOP	DI-n-OCTYLPHTHALATE	UG/KG	**880000 U**	100000	1100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	C4M3PH	4-CHLORO-3-METHYLPHENOL	UG/KG	**880000 U**	100000	10000000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	CLPH2	2-CHLOROPHENOL	UG/KG	**880000 U**	10000	280000	5200000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**880000 U**	100000	660	660
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**1800000 U**	100000	2000	6000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DCBZ12	1,2-DICHLOROBENZENE	UG/KG	**880000 U**	50000	5100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DCBZ13	1,3-DICHLOROBENZENE	UG/KG	**880000 U**	100000	5100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DCBZ14	1,4-DICHLOROBENZENE	UG/KG	**880000 U**	100000	570000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DCP24	2,4-DICHLOROPHENOL	UG/KG	**880000 U**	10000	170000	3100000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DEPH	DIETHYL PHTHALATE	UG/KG	**880000 U**	50000	10000000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	DMP24	2,4-DIMETHYLPHENOL	UG/KG	**880000 U**	10000	1100000	10000000
TNT	A12-8	SB-A12-8-05	10/14/1999	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**880000 U**	500000	900	4000
TNT	A13-1	SB-A13-1-01	10/14/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
TNT	A13-1	SB-A13-1-01	10/14/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	A13-1	SB-A13-1-01	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	A13-753	SB-A13-753-01	10/15/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1100 U**	1000	79000	1000000
TNT	B10-20	SB-B10-20-01	10/15/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**23.2 U**	NA	2	2
TNT	B10-3	SB-B10-3-01	6/16/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
TNT	B10-3	SB-B10-3-03	10/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**490 U**	0.3	940	4200
TNT	B10-4	SB-B10-4-01	10/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**440 U**	0.3	940	4200
TNT	B10-4	SB-B10-4-02	6/16/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
TNT	B10-503	SB-B10-503-01	10/11/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
TNT	B10-503	SB-B10-503-01	10/11/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 U**	40	21000	95000
TNT	B10-503	SB-B10-503-01	10/11/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	B10-503	SB-B10-503-02	10/11/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
TNT	B10-503	SB-B10-503-02	10/11/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
TNT	B10-503	SB-B10-503-02	10/11/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
TNT	B10-503	SB-B10-503-02	10/11/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
TNT	B10-503	SB-B10-503-02	10/11/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**380 U**	0.3	940	4200
TNT	B10-503	SB-B10-503-06	10/12/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217.4 U**	20	7800	100000
TNT	B10-503	SB-B10-503-06	10/12/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**217.4 U**	40	21000	95000
TNT	B10-506	SB-B10-506-02	10/14/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
TNT	B10-506	SB-B10-506-02	10/14/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
TNT	B10-506	SB-B10-506-02	10/14/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 UJ**	40	21000	95000
TNT	B10-506	SB-B10-506-02	10/14/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
TNT	B10-506	SB-B10-506-02	10/14/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**400 U**	0.3	940	4200
TNT	B10-506	SB-B10-506-04	7/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	B10-506	SB-B10-506-04	7/21/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
TNT	B10-656	SB-B10-656-02	10/12/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**208.4 U**	20	7800	100000
TNT	B10-656	SB-B10-656-02	10/12/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**208.4 U**	40	21000	95000
TNT	B10-656	SB-B10-656-02	10/12/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
TNT	B11-2	SB-B11-2-03	10/12/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
TNT	B11-513	SB-B11-513-02	10/14/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
TNT	B11-513	SB-B11-513-05	10/14/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
TNT	B11-513	SB-B11-513-05	10/14/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
TNT	B11-602C	SB-B11-602C-07	10/14/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	B11-602C	SB-B11-602C-07	10/14/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	B11-602C	SB-B11-602C-07	10/14/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	B11-602C	SB-B11-602C-08	10/14/1999	0 - 1 ft.	METALS	TL	THALLIUM	MG/KG	**4.5 U**	NA	2	2
TNT	B11-663	SB-B11-663-04	10/15/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**220 U**	40	4700	61000
TNT	B11-663	SB-B11-663-04	10/15/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**220 U**	20	7800	100000
TNT	B11-663	SB-B11-663-04	10/15/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**220 U**	0.3	940	4200
TNT	B12-237	SB-B12-237-01	10/14/1999	0 - 1.5 ft.	METALS	TL	THALLIUM	MG/KG	**11.4 U**	NA	2	2
TNT	B12-3	SB-B12-3-01	10/13/1999	0 - 0.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**192.3 U**	0.3	940	4200
TNT	B12-3	SB-B12-3-01	10/13/1999	0 - 0.25 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**192.3 U**	20	7800	100000
TNT	B12-3	SB-B12-3-02	10/13/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227.2 U**	0.3	940	4200
TNT	B12-3	SB-B12-3-02	10/13/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**227.2 UJ**	40	4700	61000
TNT	B12-3	SB-B12-3-02	10/13/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**227.2 U**	40	21000	95000
TNT	B12-3	SB-B12-3-02	10/13/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227.2 U**	20	7800	100000
TNT	B12-3	SB-B12-3-02	10/13/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**420 U**	0.3	940	4200
TNT	B12-450	SB-B12-450-03	10/15/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	B12-450	SB-B12-450-03	10/15/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
TNT	B13-682	SB-B13-682-03	10/8/1999	0 - 0.8 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
TNT	B13-682	SB-B13-682-03	10/8/1999	0 - 0.8 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
TNT	B13-682	SB-B13-682-03	10/8/1999	0 - 0.8 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
TNT	B13-682	SB-B13-682-04	10/8/1999	0 - 1.3 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 UJ**	40	4700	61000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	HCLBZ	HEXACHLOROBENZENE	UG/KG	**4100 U**	100000	660	2000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	PCP	PENTACHLOROPHENOL	UG/KG	**8200 U**	100000	6000	24000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	NNSPR	N-NITROSODI-n-PROPYLAMINE	UG/KG	**4100 U**	10000	660	660
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	INP123	INDENO(1,2,3-c,d)PYRENE	UG/KG	**4100 U**	500000	900	4000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	HCBU	HEXACHLOROBUTADIENE	UG/KG	**4100 U**	100000	1000	21000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	DBZD33	3,3'-DICHLOROBENZIDINE	UG/KG	**8200 U**	100000	2000	6000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	DBAHA	DIBENZ(a,h)ANTHRACENE	UG/KG	**4100 U**	100000	660	660
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	BZKF	BENZO(k)FLUORANTHENE	UG/KG	**4100 U**	500000	900	4000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**4100 U**	50000	900	4000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	BZAP	BENZO(a)PYRENE	UG/KG	**4100 U**	100000	660	660
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER	UG/KG	**4100 U**	10000	660	3000
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	SVOC	BZAA	BENZO(a)ANTHRACENE	UG/KG	**4100 U**	500000	900	4000
TNT	B13-724	SB-B13-724-01	7/21/2000	0.5 - 1.0 ft.	VOC	ACRN	ACRYLONITRILE	UG/KG	**5340 UJ**	1000	1000	5000
TNT	B13-724	SB-B13-724-01	7/21/2000	0.5 - 1.0 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1070 UJ**	1000	79000	1000000
TNT	B13-724	SB-B13-724-05	10/8/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	B13-724	SB-B13-724-05	10/8/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	B13-724	SB-B13-724-05	10/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
TNT	B13-724	SB-B13-724-05	10/8/1999	0 - 0.5 ft.	VOC	BRME	BROMOMETHANE	UG/KG	**1200 UJ**	1000	79000	1000000
TNT	B13-8	SB-B13-8-04	10/8/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 U**	0.3	940	4200
TNT	B13-8	SB-B13-8-04	10/8/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**230 U**	20	7800	100000
TNT	B13-8	SB-B13-8-04	10/8/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**230 U**	40	21000	95000
TNT	B13-8	SB-B13-8-04	10/8/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**230 U**	40	4700	61000
TNT	B13-8	SB-B13-8-04	10/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**370 U**	0.3	940	4200
TNT	B13-8	SB-B13-8-05	7/21/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
TNT	B13-8	SB-B13-8-05	7/21/2000	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**227 U**	0.3	940	4200
TNT	B13-8	SB-B13-8-05	7/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**403 UJ**	0.3	940	4200
TNT	B9-2	SB-B9-2-05	10/15/1999	0 - 2 ft.	METALS	TL	THALLIUM	MG/KG	**12.8 U**	NA	2	2
TNT	B9-2	SB-B9-2-05	10/15/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**480 U**	0.3	940	4200
TNT	C10-432	SB-C10-432-01	9/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**90.9 U**	40	21000	95000
TNT	C10-432	SB-C10-432-01	9/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**90.9 U**	0.3	940	4200
TNT	C10-432	SB-C10-432-01	9/27/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**90.9 U**	40	4700	61000
TNT	C10-432	SB-C10-432-01	9/27/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**90.9 U**	20	7800	100000
TNT	C10-432	SB-C10-432-01	9/27/2000	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**446 U**	0.3	940	4200
TNT	C10-432	SB-C10-432-02	7/13/2000	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	C10-432	SB-C10-432-02	7/13/2000	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	C10-438	SB-C10-438-01	7/21/2000	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**398 UJ**	0.3	940	4200
TNT	C10-438	SB-C10-438-05	10/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**390 U**	0.3	940	4200
TNT	C10-440	SB-C10-440-02	10/8/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**200 U**	40	21000	95000
TNT	C10-440	SB-C10-440-02	10/8/1999	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**200 U**	40	4700	61000
TNT	C10-440	SB-C10-440-02	10/8/1999	0 - 2 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**200 U**	0.3	940	4200
TNT	C10-440	SB-C10-440-02	10/8/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**200 U**	20	7800	100000

Table 5-53

Analytical Samples with Nondetected Concentrations Exceeding the NJSCC
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Compound	Units	Result	IGWSCC	RDCSCC	NRDCSCC
TNT	C10-440	SB-C10-440-02	10/8/1999	0 - 2 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**510 UJ**	0.3	940	4200
TNT	C10-466	SB-C10-466-02	10/8/1999	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**210 U**	0.3	940	4200
TNT	C10-466	SB-C10-466-02	10/8/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**210 U**	40	4700	61000
TNT	C10-466	SB-C10-466-02	10/8/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**210 U**	20	7800	100000
TNT	C10-466	SB-C10-466-02	10/8/1999	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**210 U**	40	21000	95000
TNT	C10-466	SB-C10-466-02	10/8/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**410 U**	0.3	940	4200
TNT	C8-1	SB-C8-1-01	10/8/1999	0 - 0.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**240 U**	0.3	940	4200
TNT	C8-1	SB-C8-1-01	10/8/1999	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**240 U**	40	21000	95000
TNT	C8-1	SB-C8-1-01	10/8/1999	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**240 U**	20	7800	100000
TNT	C8-1	SB-C8-1-01	10/8/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**240 U**	40	4700	61000
TNT	C8-1	SB-C8-1-01	11/18/1999	0 - 0.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**550 U**	0.3	940	4200
TNT	B10-503	TP-B10-503-07	8/17/2000	7.5 - 9.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**227 U**	20	7800	100000
TNT	B10-506	TP-B10-506-07	8/17/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**217 U**	0.3	940	4200
TNT	B10-506	TP-B10-506-07	8/17/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 U**	40	4700	61000
TNT	B10-506	TP-B10-506-07	8/17/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**217 U**	20	7800	100000
TNT	B10-506	TP-B10-506-07	8/17/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**371 U**	0.3	940	4200
TNT	B13-8	TP-B13-8-06	8/17/2000	3.5 - 5.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 U**	40	21000	95000
TNT	B13-8	TP-B13-8-06	8/17/2000	3.5 - 5.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**250 U**	20	7800	100000
TNT	B13-8	TP-B13-8-06	8/17/2000	3.5 - 5.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**250 U**	0.3	940	4200
TNT	B13-8	TP-B13-8-06	8/17/2000	3.5 - 5.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 U**	40	4700	61000
TNT	B13-8	TP-B13-8-06	8/17/2000	3.5 - 5.5 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**404 U**	0.3	940	4200

Notes:
VOC = Volatile Organic Constituents
SVOC = Semi-Volatile Organic Constituents
E&E = Explosives and Energetics
IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
TNT	B10-506	SB-B10-506-04	7/21/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	1830 R	NA	4700	61000	Future sampling to be conducted during RI(3)
TNT	B10-506	SB-B10-506-04	7/21/2000	0 - 2 ft.	E&E	NBZME4	4-NITROTOLUENE	UG/KG	2310 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
TNT	B10-506	SB-B10-506-04	7/21/2000	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	244 R	10000	39000	510000	Future sampling to be conducted during RI(3)
TNT	B11-663	SB-B11-663-06	6/8/2000	0 - 4 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**3110 R**	40	4700	61000	Future sampling to be conducted during RI(3)
TNT	B11-663	SB-B11-663-06	6/8/2000	0 - 4 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	184 R	10000	39000	510000	Future sampling to be conducted during RI(3)
TNT	B11-663	SB-B11-663-06	6/8/2000	0 - 4 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	3910 R	NA	4700	61000	Future sampling to be conducted during RI(3)
TNT	B12-3	SB-B12-3-01	10/13/1999	0 - 0.25 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	1925.4 R	NA	4700	61000	Future sampling to be conducted during RI(3)
TNT	B13-724	SB-B13-724-01	7/21/2000	0 - 2 ft.	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	701 R	NA	3900000	10000000	Future sampling to be conducted during RI(3)
TNT	B13-8	SB-B13-8-05	7/21/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**217 R**	40	4700	61000	Future sampling to be conducted during RI(3)
TNT	B13-8	SB-B13-8-05	7/21/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	125 R	NA	4700	61000	Future sampling to be conducted during RI(3)
TNT	C10-432	SB-C10-432-02	7/13/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**231 R**	0.3	940	4200	Future sampling to be conducted during RI(3)
DYNAMITE	C12-275	SB-C12-275-01	6/22/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	104 R	NA	4700	61000	Future sampling to be conducted during RI(3)
DYNAMITE	D11-B232	SB-D11-B232-06	6/22/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	2200 R	NA	4700	61000	Future sampling to be conducted during RI(3)
DYNAMITE	D11-B232	SB-D11-B232-06	6/22/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**1300 R**	40	4700	61000	Future sampling to be conducted during RI(3)
DYNAMITE	D12-282A	SB-D12-282A-05	10/27/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**120 R**	20	7800	100000	Future sampling to be conducted during RI(3)
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**250 R**	40	4700	61000	Future sampling to be conducted during RI(2)
DYNAMITE	D12-3	SB-D12-3-02	6/28/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	250 R	NA	4700	61000	Future sampling to be conducted during RI(1)
DYNAMITE	D14-204B	SB-D14-204B-01	10/26/1999	0 - 2 ft.	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	300 R	NA	3900000	10000000	Future sampling to be conducted during RI(3)
DYNAMITE	E10-2	SB-E10-2-04	6/22/2000	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	287 R	10000	39000	510000	Future sampling to be conducted during RI(1)
DYNAMITE	E13-2074	SB-E13-2074-01	10/26/1999	0 - 2 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	550 R	NA	5800	26000	Future sampling to be conducted during RI(3)
DYNAMITE	E13-2074A	SB-E13-2074A-01	10/26/1999	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**370 R**	40	21000	95000	Future sampling to be conducted during RI(2)
DYNAMITE	E13-2074A	SB-E13-2074A-05	6/29/2000	0 - 2 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	1250 R	NA	5800	26000	Future sampling to be conducted during RI(1)
NG	B10-511	SB-B10-511-03	11/19/1999	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	1600 R	NA	4700	61000	Future sampling to be conducted during RI(3)
NG	B10-7	SB-B10-7-02	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**1080 E**	NA	400	600	Future sampling to be conducted during RI(3)
NG	B10-7	SB-B10-7-10	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**658 E**	NA	400	600	Future sampling to be conducted during RI(3)
NG	B11-11	SB-B11-11-05	11/10/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**300 R**	40	4700	61000	Future sampling to be conducted during RI(3)
NG	B11-11	SB-B11-11-05	11/10/1999	0 - 0.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	150 R	NA	4700	61000	Future sampling to be conducted during RI(3)
NG	B11-2044	SB-B11-2044-03	11/9/1999	0 - 0.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	200 R	NA	4700	61000	Future sampling to be conducted during RI(3)
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**160 R**	40	4700	61000	Future sampling to be conducted during RI(3)
NG	B11-2044	SB-B11-2044-06	11/9/1999	0 - 0.7 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	120 R	NA	4700	61000	Future sampling to be conducted during RI(3)
NG	B11-2044C	SB-B11-2044C-01	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	7.6 E	NA	250	2400	Future sampling to be conducted during RI(3)
NG	B11-2044C	SB-B11-2044C-05	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	6.7 E	NA	250	2400	Future sampling to be conducted during RI(3)
NG	B11-9	SB-B11-9-02	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	18.2 E	NA	250	2400	Future sampling to be conducted during RI(1)
NG	C10-241A	SB-C10-241A-03	11/18/1999	0 - 0.5 ft.	METALS	PB	LEAD	MG/KG	171 E	NA	400	600	Future sampling to be conducted during RI(1)
NG	C11-1	SB-C11-1-04	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**68200 E**	NA	400	600	Future sampling to be conducted during RI(3)
NG	C11-1	SB-C11-1-09	11/18/1999	0 - 0.8 ft.	METALS	PB	LEAD	MG/KG	**1200 E**	NA	400	600	Future sampling to be conducted during RI(3)

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
NG	C11-1	SB-C11-1-17	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**10900 E**	NA	400	600	Future sampling to be conducted during RI[3]
NG	C11-18	SB-C11-18-02	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	0.87 E	NA	250	2400	Future sampling to be conducted during RI[3]
NG	C11-19	SB-C11-19-05	11/18/1999	0 - 0.5 ft.	METALS	PB	LEAD	MG/KG	**2110 E**	NA	400	600	Future sampling to be conducted during RI[3]
NG	C11-27	SB-C11-27-03	11/12/1999	0 - 0.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**180 R**	40	4700	61000	Future sampling to be conducted during RI[3]
NG	C11-27	SB-C11-27-03	11/12/1999	0 - 0.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	170 R	NA	4700	61000	Future sampling to be conducted during RI[3]
NG	C11-30	SB-C11-30-01	11/5/1999	0 - 1 ft.	METALS	NI	NICKEL	MG/KG	7.9 E	NA	250	2400	Future sampling to be conducted during RI[3]
NG	C11-30	SB-C11-30-05	11/5/1999	0 - 1 ft.	METALS	NI	NICKEL	MG/KG	5.9 E	NA	250	2400	Future sampling to be conducted during RI[3]
NG	C11-4	SB-C11-4-02	11/11/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**510 R**	20	7800	100000	Future sampling to be conducted during RI[3]
NG	C11-4A	SB-C11-4A-01	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	8.4 E	NA	250	2400	Future sampling to be conducted during RI[1]
NG	C11-4B	SB-C11-4B-01	11/5/1999	0 - 2 ft.	METALS	NI	NICKEL	MG/KG	11.9 E	NA	250	2400	Future sampling to be conducted during RI[1]
NG	C11-9	SB-C11-9-04	11/18/1999	0 - 0.5 ft.	METALS	PB	LEAD	MG/KG	**11800 E**	NA	400	600	Future sampling to be conducted during RI[3]
NG	D10-2228	SB-D10-2228-01	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**782 E**	NA	400	600	Future sampling to be conducted during RI[2]
NG	D10-2231	SB-D10-2231-03	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**451 E**	NA	400	600	Future sampling to be conducted during RI[3]
NG	D10-2233A	SB-D10-2233A-01	11/18/1999	0 - 2 ft.	METALS	PB	LEAD	MG/KG	140 E	NA	400	600	Future sampling to be conducted during RI[1]
NG	D10-2233C	SB-D10-2233C-01	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	47.8 E	NA	400	600	Future sampling to be conducted during RI[1]
NG	D10-2233E	SB-D10-2233E-02	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**2470 E**	NA	400	600	Future sampling to be conducted during RI[2]
NG	D11-20	SB-D11-20-01	11/18/1999	0 - 0.8 ft.	METALS	PB	LEAD	MG/KG	**762 E**	NA	400	600	Future sampling to be conducted during RI[2]
NG	D11-3	SB-D11-3-02	11/5/1999	0 - 1 ft.	METALS	NI	NICKEL	MG/KG	8.5 E	NA	250	2400	Future sampling to be conducted during RI[3]
NG	D9-2	SB-D9-2-04	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	24.1 E	NA	400	600	Future sampling to be conducted during RI[1]
NG	E10-2169	SB-E10-2169-03	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	**1320 E**	NA	400	600	Future sampling to be conducted during RI[3]
NG	E10-2169A	SB-E10-2169A-01	11/18/1999	0 - 1 ft.	METALS	PB	LEAD	MG/KG	56.4 E	NA	400	600	Future sampling to be conducted during RI[3]
NG	E10-4	SB-E10-4-03	11/17/1999	0 - 0.75 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**120 R**	40	4700	61000	Future sampling to be conducted during RI[3]
NG	E10-4	SB-E10-4-03	11/17/1999	0 - 0.75 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	150 R	NA	4700	61000	Future sampling to be conducted during RI[3]
PETN	B10-2178	SB-B10-2178-05	11/19/1999	0 - 1 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	800 R	NA	4700	61000	Future sampling to be conducted during RI[3]
PETN	B10-2178	SB-B10-2178-05	11/19/1999	0 - 1 ft.	E&E	NBZME2	2-NITROTOLUENE	UG/KG	210 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
PETN	C10-2176	SB-C10-2176-01	11/19/1999	0 - 1.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	**6700 R**	NA	4700	61000	Future sampling to be conducted during RI[3]
PETN	C10-2176	SB-C10-2176-01	11/19/1999	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**8500 R**	40	4700	61000	Future sampling to be conducted during RI[3]
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	130 R	10000	39000	510000	Future sampling to be conducted during RI[3]
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 1 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**150 JR**	40	4700	61000	Future sampling to be conducted during RI[3]
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 1 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	180 R	NA	4700	61000	Future sampling to be conducted during RI[3]
PETN	C10-3	SB-C10-3-02	11/22/1999	0 - 1 ft.	SVOC	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	**68 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
DEVELOPMENT	G6-1	SB-G6-1-02	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	G6-1	SB-G6-1-03	4/4/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	G6-2	SB-G6-2-02	6/21/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	G7-8139	SB-G7-8139-02	3/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	G7-E49	SB-G7-E49-02	4/4/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
DEVELOPMENT	G7-E49	SB-G7-E49-05	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	G8-8178	SB-G8-8178-01	4/4/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	480 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-8116	SB-H6-8116-01	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**420 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8130	SB-H6-8130-03	3/30/2000	0 - 1 ft.	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	300 R	NA	3900000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8130	SB-H6-8130-03	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**320 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8130	SB-H6-8130-03	3/30/2000	0 - 1 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	300 R	NA	5800	26000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	1800 R	NA	5800	26000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8130	SB-H6-8130-06	3/30/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1400 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H6-8251	SB-H6-8251-02	6/21/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-8251	SB-H6-8251-03	4/4/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-8275	SB-H6-8275-02	4/4/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-8275	SB-H6-8275-04	6/21/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-862	SB-H6-862-01	6/21/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-918	SB-H6-918-03	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H6-941C	SB-H6-941C-03	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H7-2172	SB-H7-2172-03	4/4/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-2172	SB-H7-2172-06	4/4/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-4	SB-H7-4-02	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H7-5	SB-H7-5-02	6/21/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H7-8123A	SB-H7-8123A-03	4/4/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8123A	SB-H7-8123A-05	4/4/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2200 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8142	SB-H7-8142-05	3/30/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8143	SB-H7-8143-03	6/21/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8144	SB-H7-8144-01	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	H7-8176	SB-H7-8176-01	4/4/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	480 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	H7-8176	SB-H7-8176-02	6/21/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I5-8	SB-I5-8-02	6/21/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I5-8141	SB-I5-8141-03	6/21/2000	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I6-3	SB-I6-3-03	6/21/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I6-8132	SB-I6-8132-05	4/13/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**220 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I6-8132	SB-I6-8132-05	4/13/2000	0 - 0.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	150 R	10000	39000	510000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I6-8132	SB-I6-8132-05	4/13/2000	0 - 0.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**270 R**	20	7800	100000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I6-8171C	SB-I6-8171C-01	4/4/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I6-8171C	SB-I6-8171C-02	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	454 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I6-8172	SB-I6-8172-06	4/4/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	840 R	NA	780000	10000000	Future sampling to be conducted during RI[3]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
DEVELOPMENT	I6-8181	SB-I6-8181-02	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I6-8263	SB-I6-8263-02	6/21/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
DEVELOPMENT	I6-9210	SB-I6-9210-02	6/21/2000	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	I6-E3	SB-I6-E3-04	6/21/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
DEVELOPMENT	J5-4	SB-J5-4-02	4/11/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.62 E	NA	2	2	Future sampling to be conducted during RI[1]
DEVELOPMENT	J5-5	SB-J5-5-04	4/11/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.32 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-8133	SB-J6-8133-01	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.62 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-8133	SB-J6-8133-04	4/13/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	210 R	NA	4700	61000	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-8136	SB-J6-8136-04	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.44 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-8136	SB-J6-8136-07	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.76 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-8167	SB-J6-8167-02	4/11/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.44 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-9	SB-J6-9-01	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.31 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-915	SB-J6-915-01	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.39 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	J6-941A	SB-J6-941A-01	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.52 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	K6-2	SB-K6-2-03	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.32 E	NA	2	2	Future sampling to be conducted during RI[1]
DEVELOPMENT	K6-9214	SB-K6-9214-03	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.58 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	K6-9217	SB-K6-9217-01	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.5 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-4	SB-L5-4-02	4/6/2000	0 - 1 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	720 R	NA	5800	26000	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-4	SB-L5-4-02	4/6/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	150 R	10000	39000	510000	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-6	SB-L5-6-02	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.3 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-6	SB-L5-6-05	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.26 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-6	SB-L5-6-10	4/11/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.38 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L5-8318	SB-L5-8318-02	4/11/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.73 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L6-371	SB-L6-371-01	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.65 E	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	L6-9	SB-L6-9-01	4/11/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.61 BE	NA	2	2	Future sampling to be conducted during RI[3]
DEVELOPMENT	M5-3	SB-M5-3-02	4/6/2000	0 - 1 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	4800 R	NA	5800	26000	Future sampling to be conducted during RI[3]
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	1100 R	NA	5800	26000	Future sampling to be conducted during RI[3]
DEVELOPMENT	M5-3	SB-M5-3-17	4/6/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 R**	40	21000	95000	Future sampling to be conducted during RI[3]
DEVELOPMENT	M5-3	SB-M5-3-19	4/6/2000	0 - 0.75 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	550 R	NA	5800	26000	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-20	SB-F10-20-03	7/12/2000	0 - 1.25 ft.	E&E	NBZME3	3-NITROTOLUENE	UG/KG	800 R	NA	1600000	10000000	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	23 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	23 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	23 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	44 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	253 R	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	23 R	NA	NA	NA	Future sampling to be conducted during RI[3]

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Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	94 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F10-8576	SB-F10-8576-05	12/16/1999	0 - 1.5 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	23 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	175 R	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	43 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	F11-458	SB-F11-458-02	12/16/1999	0 - 2 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	41 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	486 R	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-5	SB-G10-5-02	12/15/1999	0 - 1 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	340 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	210 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	**2560 R**	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	110 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	110 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	110 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	1800 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	110 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-01	12/15/1999	0 - 1.5 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	110 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	40 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	40 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	40 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	40 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	40 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	670 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	78 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G10-8522	SB-G10-8522-02	12/15/1999	0 - 0.5 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	**948 R**	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	43 R	NA	NA	NA	Future sampling to be conducted during RI[3]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	175 R	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-02	12/16/1999	0 - 2 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	41 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	167 R	50000	490	2000	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-2017A	SB-G11-2017A-06	12/16/1999	0 - 2 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	21 R	NA	NA	NA	Future sampling to be conducted during RI[3]
MAINTENANCE	G11-253	SB-G11-253-03	12/2/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	230 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
MAINTENANCE	H10-10	SB-H10-10-02	12/3/1999	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**224 R**	20	7800	100000	Future sampling to be conducted during RI[3]
MAINTENANCE	H10-14	SB-H10-14-01	12/3/1999	0 - 1 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**2524 R**	20	7800	100000	Future sampling to be conducted during RI[3]
MAINTENANCE	H10-14	SB-H10-14-02	12/3/1999	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**4941 R**	20	7800	100000	Future sampling to be conducted during RI[3]
MAINTENANCE	H10-16	SB-H10-16-02	12/2/1999	0 - 0.75 ft.	E&E	TETRYL	TETRYL	UG/KG	290 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1248	PCB-1248 (AROCHLOR 1248)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB	TOTAL PCBS	UG/KG	170 R	50000	490	2000	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1016	PCB-1016 (AROCHLOR 1016)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1221	PCB-1221 (AROCHLOR 1221)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1242	PCB-1242 (AROCHLOR 1242)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1254	PCB-1254 (AROCHLOR 1254)	UG/KG	27 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1260	PCB-1260 (AROCHLOR 1260)	UG/KG	33 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H12-689	SB-H12-689-03	12/15/1999	0 - 1 ft.	PCBS	PCB1232	PCB-1232 (AROCHLOR 1232)	UG/KG	22 R	NA	NA	NA	Future sampling to be conducted during RI[1]
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	5700 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
MAINTENANCE	H9-2261	SB-H9-2261-04	12/2/1999	0 - 1.25 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	**200000 R**	NA	4700	61000	Future sampling to be conducted during RI[3]
MAINTENANCE	H9-3	SB-H9-3-01	12/2/1999	0 - 1.25 ft.	E&E	TETRYL	TETRYL	UG/KG	140 R	NA	780000	10000000	Future sampling to be conducted during RI[1]
B-LINE	I11-7	SB-I11-7-01	8/2/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	67 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	I11-8260	SB-I11-8260-03	8/2/2000	0 - 1.25 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	108 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	126 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	I11-8504	SB-I11-8504-04	6/2/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	130 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	I11-8504	SB-I11-8504-06	6/2/2000	0 - 0.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]

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Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
B-LINE	J11-1	SB-J11-1-02	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**490 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**560 R**	40	21000	95000	Future sampling to be conducted during RI[2]
B-LINE	J11-14	SB-J11-14-03	5/18/2000	0 - 1.25 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	120 R	10000	39000	510000	Future sampling to be conducted during RI[1]
B-LINE	J11-2188	SB-J11-2188-08	5/23/2000	0 - 1.25 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	270 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	J11-2298	SB-J11-2298-04	5/23/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1300 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-6	SB-J11-6-03	5/25/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	223 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**247 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-8570	SB-J11-8570-01	5/25/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	140 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	J11-B25	SB-J11-B25-02	5/25/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**270 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	J11-B83	SB-J11-B83-03	8/1/2000	0 - 0.75 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	134 R	10000	39000	510000	Future sampling to be conducted during RI[1]
B-LINE	J12-3	SB-J12-3-02	5/23/2000	0 - 2 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**360 R**	40	4700	61000	Future sampling to be conducted during RI[3]
B-LINE	K10-1	SB-K10-1-01	5/16/2000	0 - 1.25 ft.	METALS	BE	BERYLLIUM	MG/KG	0.47 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2	SB-K10-2-02	5/25/2000	0 - 1.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	240 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**5900 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	METALS	ZN	ZINC	MG/KG	93.1 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-01	5/16/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.54 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**230 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	METALS	BE	BERYLLIUM	MG/KG	0.5 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-04	5/16/2000	0 - 1.25 ft.	METALS	ZN	ZINC	MG/KG	102 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.51 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-07	5/16/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	78.9 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-08	5/16/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.61 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2090	SB-K10-2090-08	5/16/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	142 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-2197	SB-K10-2197-05	5/18/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3700 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K10-2197A	SB-K10-2197A-01	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**300 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K10-2266	SB-K10-2266-04	5/16/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.55 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2266	SB-K10-2266-04	5/16/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	159 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-2266	SB-K10-2266-05	5/16/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.48 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-2266	SB-K10-2266-05	5/16/2000	0 - 1.5 ft.	METALS	ZN	ZINC	MG/KG	245 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	98.6 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-3	SB-K10-3-02	5/16/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.4 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-5	SB-K10-5-02	5/16/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.34 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K10-5	SB-K10-5-02	5/16/2000	0 - 1.5 ft.	METALS	ZN	ZINC	MG/KG	35.7 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-5	SB-K10-5-04	5/16/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	77.4 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	K10-5	SB-K10-5-04	5/16/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.51 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	K11-1	SB-K11-1-04	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**110 R**	0.3	940	4200	Future sampling to be conducted during RI[3]

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Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
B-LINE	K11-1	SB-K11-1-04	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**190 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-2225B	SB-K11-2225B-04	5/12/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	210 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	K11-2225B	SB-K11-2225B-04	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1500 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-2300	SB-K11-2300-01	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**130 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	K11-2300	SB-K11-2300-01	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1900 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-2300	SB-K11-2300-05	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**4100 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-2302	SB-K11-2302-03	5/18/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3700 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	E&E	TETRYL	TETRYL	UG/KG	270 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
B-LINE	K11-2302	SB-K11-2302-05	5/18/2000	0 - 0.75 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**110000 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**380 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	K11-3	SB-K11-3-02	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1900 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-598	SB-K11-598-02	7/25/2000	0 - 0.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	158 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	K11-601	SB-K11-601-01	5/12/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	K11-604	SB-K11-604-03	8/1/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**266 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	METALS	ZN	ZINC	MG/KG	95.2 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	L10-1	SB-L10-1-02	5/16/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.84 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	L10-2	SB-L10-2-01	8/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**255 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-2	SB-L10-2-02	5/18/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**110 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	L10-2	SB-L10-2-02	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-2088	SB-L10-2088-01	8/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1010 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-2088	SB-L10-2088-02	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	17000 R	NA	3900000	10000000	Future sampling to be conducted during RI[3]
B-LINE	L10-2191	SB-L10-2191-02	5/16/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**9800 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	70.9 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	L10-4	SB-L10-4-05	5/16/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.52 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	L10-725	SB-L10-725-01	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	L11-2225	SB-L11-2225-02	5/25/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	350 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
B-LINE	M10-7	SB-M10-7-02	5/18/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2600 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M10-724	SB-M10-724-01	5/18/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**360 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	SVOC	PHAN	PHENANTHRENE	UG/KG	7330 EJ	NA	NA	NA	Future sampling to be conducted during RI[3]
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	SVOC	BZBF	BENZO(b)FLUORANTHENE	UG/KG	**6830 EJ**	50000	900	4000	Future sampling to be conducted during RI[3]
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	SVOC	FLA	FLUORANTHENE	UG/KG	8770 EJ	100000	2300000	10000000	Future sampling to be conducted during RI[3]
B-LINE	M10-724	SB-M10-724-03	8/2/2000	0 - 1.5 ft.	SVOC	PYR	PYRENE	UG/KG	9620 EJ	100000	1700000	10000000	Future sampling to be conducted during RI[3]
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	SVOC	FLA	FLUORANTHENE	UG/KG	12000 EJ	100000	2300000	10000000	Future sampling to be conducted during RI[3]
B-LINE	M11-3	SB-M11-3-03	8/2/2000	0 - 0.5 ft.	SVOC	PYR	PYRENE	UG/KG	12100 EJ	100000	1700000	10000000	Future sampling to be conducted during RI[3]
B-LINE	M8-2	SB-M8-2-05	5/12/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**140 R**	0.3	940	4200	Future sampling to be conducted during RI[3]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
B-LINE	M8-2	SB-M8-2-05	5/12/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**390 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M8-2196	SB-M8-2196-07	5/12/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2000 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M9-2192	SB-M9-2192-05	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**760 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M9-2193	SB-M9-2193-01	5/12/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**480 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	M9-2193	SB-M9-2193-01	5/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**2000 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	130 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	M9-2261	SB-M9-2261-01	5/18/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	M9-2292	SB-M9-2292-01	5/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**6200 R**	40	21000	95000	Future sampling to be conducted during RI[2]
B-LINE	M9-3	SB-M9-3-01	5/18/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**330 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	N9-2269	SB-N9-2269-04	5/25/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1300 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	METALS	ZN	ZINC	MG/KG	182 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	O8-2247	SB-O8-2247-04	5/16/2000	0 - 1.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.39 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	METALS	BE	BERYLLIUM	MG/KG	0.49 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	O8-2247	SB-O8-2247-05	5/16/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	90.3 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	O8-2252	SB-O8-2252-02	5/16/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	907 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	O8-2252	SB-O8-2252-02	5/16/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.49 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	METALS	BE	BERYLLIUM	MG/KG	0.55 E	NA	2	2	Future sampling to be conducted during RI[3]
B-LINE	O8-2274	SB-O8-2274-01	5/16/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	66.1 *E	NA	1500	1500	Future sampling to be conducted during RI[3]
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	METALS	BE	BERYLLIUM	MG/KG	0.59 E	NA	2	2	Future sampling to be conducted during RI[1]
B-LINE	O8-4	SB-O8-4-02	5/16/2000	0 - 0.5 ft.	METALS	ZN	ZINC	MG/KG	56.1 *E	NA	1500	1500	Future sampling to be conducted during RI[1]
B-LINE	J11-2188	TP-J11-2188-09	8/3/2000	4 - 6 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	61 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-09	8/3/2000	4 - 6 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**711 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-10	8/3/2000	4 - 6 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**768 R**	0.3	940	4200	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-10	8/3/2000	4 - 6 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**892 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-10	8/3/2000	4 - 6 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	93.9 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**68.5 R**	40	21000	95000	Future sampling to be conducted during RI[3]
B-LINE	J11-2188	TP-J11-2188-11	8/3/2000	4.5 - 6.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	160 R	10000	39000	510000	Future sampling to be conducted during RI[3]
B-LINE	L11-2089	TP-L11-2089-06	8/2/2000	9 - 11 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	84 R	10000	39000	510000	Future sampling to be conducted during RI[3]
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**150 R**	40	21000	95000	Future sampling to be conducted during RI[3]
A-LINE	E9-2153	SB-E9-2153-02	3/23/2000	0 - 1.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	130 R	10000	39000	510000	Future sampling to be conducted during RI[3]
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	139 R	10000	39000	510000	Future sampling to be conducted during RI[3]
A-LINE	E9-2297	SB-E9-2297-02	7/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1270 R**	40	21000	95000	Future sampling to be conducted during RI[3]
A-LINE	F10-2356	SB-F10-2356-06	3/23/2000	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	130 R	10000	39000	510000	Future sampling to be conducted during RI[1]
A-LINE	F8-2107	SB-F8-2107-01	3/21/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**420 R**	40	21000	95000	Future sampling to be conducted during RI[3]
A-LINE	F8-2107	SB-F8-2107-05	3/21/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**4500 R**	40	21000	95000	Future sampling to be conducted during RI[3]
A-LINE	F8-2116	SB-F8-2116-03	3/16/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3600 R**	40	21000	95000	Future sampling to be conducted during RI[3]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
A-LINE	F8-2116	SB-F8-2116-07	3/16/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**710 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F8-2117	SB-F8-2117-08	3/24/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3100 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F8-2118	SB-F8-2118-02	3/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**280 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F8-575	SB-F8-575-02	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	F8-575	SB-F8-575-04	4/18/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F8-9	SB-F8-9-02	3/23/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**710 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F9-1	SB-F9-1-01	6/23/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**226 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F9-1	SB-F9-1-04	3/30/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	290 R	10000	39000	510000	Future sampling to be conducted during RI(3)
A-LINE	F9-2104	SB-F9-2104-03	3/23/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**490 R**	40	21000	95000	Future sampling to be conducted during RI(2)
A-LINE	F9-2105	SB-F9-2105-01	3/17/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**550 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F9-2109	SB-F9-2109-05	7/12/2000	0 - 1.5 ft.	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	177 R	NA	5800	26000	Future sampling to be conducted during RI(3)
A-LINE	F9-2109	SB-F9-2109-08	7/12/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1170 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	G8-2114	SB-G8-2114-03	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	G8-2114	SB-G8-2114-06	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	G8-2148	SB-G8-2148-02	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI(1)
A-LINE	G8-2204	SB-G8-2204-05	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	476 R	NA	780000	10000000	Future sampling to be conducted during RI(1)
A-LINE	G8-2210	SB-G8-2210-02	12/17/1999	0 - 2 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	G8-2210	SB-G8-2210-03	12/17/1999	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	G8-2249	SB-G8-2249-01	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(3)
A-LINE	G8-2260	SB-G8-2260-01	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(1)
A-LINE	G8-F7	SB-G8-F7-01	12/17/1999	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI(1)
A-LINE	E10-PA12	TP-E10-PA12-01	8/9/2000	3.5 - 5.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	68.2 R	10000	39000	510000	Future sampling to be conducted during RI(1)
A-LINE	E9-2296	TP-E9-2296-09	8/10/2000	7.5 - 9.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1190 R**	40	21000	95000	Future sampling to be conducted during RI(3)
A-LINE	F9-PA4	TP-F9-PA4-01	8/1/2000	3.5 - 5.5 ft.	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	4460 R	NA	3900000	10000000	Future sampling to be conducted during RI(3)
A-LINE	F9-PA4	TP-F9-PA4-01	8/1/2000	3.5 - 5.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**545 R**	40	21000	95000	Future sampling to be conducted during RI(3)
FINISHING	I10-1	SB-I10-1-03	4/27/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	176 E	NA	1500	1500	Future sampling to be conducted during RI(1)
FINISHING	I10-2	SB-I10-2-02	4/27/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	1000 E	NA	1500	1500	Future sampling to be conducted during RI(3)
FINISHING	I10-2079	SB-I10-2079-02	4/27/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	138 E	NA	1500	1500	Future sampling to be conducted during RI(3)
FINISHING	I10-2079	SB-I10-2079-05	7/20/2000	0 - 1.25 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**176 R**	40	4700	61000	Future sampling to be conducted during RI(3)
FINISHING	I10-2079	SB-I10-2079-05	7/20/2000	0 - 1.25 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	247 R	NA	4700	61000	Future sampling to be conducted during RI(3)
FINISHING	I10-2080	SB-I10-2080-01	4/27/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	52.3 E	NA	1500	1500	Future sampling to be conducted during RI(3)
FINISHING	I10-3	SB-I10-3-02	4/27/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	131 E	NA	1500	1500	Future sampling to be conducted during RI(3)
FINISHING	I10-552	SB-I10-552-04	4/27/2000	0 - 0.5 ft.	METALS	ZN	ZINC	MG/KG	78 E	NA	1500	1500	Future sampling to be conducted during RI(3)
FINISHING	I7-15	SB-I7-15-04	7/19/2000	0 - 1.25 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**419 R**	0.3	940	4200	Future sampling to be conducted during RI(3)
FINISHING	I7-15	SB-I7-15-05	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**250 R**	40	21000	95000	Future sampling to be conducted during RI(3)
FINISHING	I7-2124	SB-I7-2124-06	4/20/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**520 R**	40	21000	95000	Future sampling to be conducted during RI(3)

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
FINISHING	I7-2133A	SB-I7-2133A-03	4/27/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1200 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I7-566	SB-I7-566-02	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**390 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I7-567	SB-I7-567-02	7/19/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1570 R**	40	21000	95000	Future sampling to be conducted during RI[2]
FINISHING	I8-2138	SB-I8-2138-03	4/20/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1900 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I8-2328	SB-I8-2328-02	4/20/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**460 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I8-2328	SB-I8-2328-07	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	135 R	10000	39000	510000	Future sampling to be conducted during RI[3]
FINISHING	I8-2328A	SB-I8-2328A-03	7/19/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1810 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I8-2405	SB-I8-2405-06	4/20/2000	0 - 2 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	654.8 R	NA	4700	61000	Future sampling to be conducted during RI[3]
FINISHING	I9-2311	SB-I9-2311-01	4/28/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**920 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	I9-515	SB-I9-515-01	4/28/2000	0 - 2 ft.	METALS	ZN	ZINC	MG/KG	66.4 E	NA	1500	1500	Future sampling to be conducted during RI[1]
FINISHING	I9-516	SB-I9-516-04	4/28/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	77.5 E	NA	1500	1500	Future sampling to be conducted during RI[1]
FINISHING	I9-519	SB-I9-519-04	4/28/2000	0 - 0.5 ft.	METALS	ZN	ZINC	MG/KG	81 E	NA	1500	1500	Future sampling to be conducted during RI[3]
FINISHING	I9-520	SB-I9-520-03	4/28/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	333 E	NA	1500	1500	Future sampling to be conducted during RI[1]
FINISHING	I9-523	SB-I9-523-03	4/28/2000	0 - 0.5 ft.	METALS	ZN	ZINC	MG/KG	97.4 E	NA	1500	1500	Future sampling to be conducted during RI[3]
FINISHING	I9-524	SB-I9-524-01	4/27/2000	0 - 1 ft.	METALS	ZN	ZINC	MG/KG	25.6 E	NA	1500	1500	Future sampling to be conducted during RI[3]
FINISHING	J7-2133	SB-J7-2133-01	4/27/2000	0 - 1.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	530 R	10000	39000	510000	Future sampling to be conducted during RI[3]
FINISHING	J7-2133	SB-J7-2133-06	4/27/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**6100 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	J7-2281	SB-J7-2281-05	4/27/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**180 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	J8-2354	SB-J8-2354-02	4/20/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3433.2 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	J9-2111	SB-J9-2111-04	7/20/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**280 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	J9-4	SB-J9-4-03	4/28/2000	0 - 1.25 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 R**	40	21000	95000	Future sampling to be conducted during RI[3]
FINISHING	K6-8273	SB-K6-8273-03	4/27/2000	0 - 1 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**80000 R**	0.3	940	4200	Future sampling to be conducted during RI[2]
AN	H12-1	SB-H12-1-07	5/25/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**267 R**	40	21000	95000	Future sampling to be conducted during RI[3]
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	E&E	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E	UG/KG	**166000 E**	0.3	940	4200	Future sampling to be conducted during RI[3]
AN	H13-2014	SB-H13-2014-01	6/2/2000	0 - 1.5 ft.	E&E	TETRYL	TETRYL	UG/KG	500 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
AN	I11-9303	SB-I11-9303-02	6/1/2000	0 - 1 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	239 R	10000	39000	510000	Future sampling to be conducted during RI[3]
AN	I12-7	TP-I12-7-05	8/9/2000	6 - 8 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**41 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	J10-9334	SB-J10-9334-01	5/5/2000	0 - 0.5 ft.	E&E	NBZME4	4-NITROTOLUENE	UG/KG	320 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
STORAGE	K7-2126	SB-K7-2126-03	4/28/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**4400 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	K7-2126	SB-K7-2126-05	4/28/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**290 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	K8-9207	SB-K8-9207-02	5/5/2000	0 - 1.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	150 R	NA	4700	61000	Future sampling to be conducted during RI[3]
STORAGE	K8-9207	SB-K8-9207-02	5/5/2000	0 - 1.5 ft.	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/KG	**130 R**	40	4700	61000	Future sampling to be conducted during RI[3]
STORAGE	K8-9207	SB-K8-9207-04	7/25/2000	0 - 1.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	533 R	NA	4700	61000	Future sampling to be conducted during RI[3]
STORAGE	K9-9203	SB-K9-9203-07	5/4/2000	0 - 0.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**290 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	K9-9204	SB-K9-9204-01	5/4/2000	0 - 1.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	170 R	NA	4700	61000	Future sampling to be conducted during RI[1]

Table 5-54

Analytical Samples with Rejected Concentrations or with Concentrations Exceeding the Calibration Range of the Instrumentation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Analytical Sample Ids	Sample Collection Date	Depth	Analytical Group	Chem Code	Description	Units	Result	IGWSCC	RDCSCC	NRDCSCC	Corrective Measures
STORAGE	K9-9204	SB-K9-9204-01	5/4/2000	0 - 1.5 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**170 R**	20	7800	100000	Future sampling to be conducted during RI[2]
STORAGE	K9-9204	SB-K9-9204-05	5/4/2000	0 - 2 ft.	E&E	DNB13	1,3-DINITROBENZENE	UG/KG	**170 R**	20	7800	100000	Future sampling to be conducted during RI[2]
STORAGE	L6-2128	SB-L6-2128-05	4/28/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**1500 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	L6-2129	SB-L6-2129-03	5/2/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**140 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	L6-2129	SB-L6-2129-05	5/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**740 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	L7-2131	SB-L7-2131-04	5/2/2000	0 - 1 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**3700 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	L7-2131	SB-L7-2131-05	5/2/2000	0 - 1.5 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**430 R**	40	21000	95000	Future sampling to be conducted during RI[3]
STORAGE	M6-1	SB-M6-1-07	5/5/2000	0 - 0.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	340 R	NA	4700	61000	Future sampling to be conducted during RI[3]
STORAGE	M6-1	SB-M6-1-15	5/5/2000	0 - 0.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	120 R	NA	4700	61000	Future sampling to be conducted during RI[3]
STORAGE	M8-9201	SB-M8-9201-01	5/5/2000	0 - 2 ft.	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/KG	**130 R**	40	21000	95000	Future sampling to be conducted during RI[2]
STORAGE	N6-640	SB-N6-640-03	5/12/2000	0 - 1 ft.	E&E	TETRYL	TETRYL	UG/KG	150 R	NA	780000	10000000	Future sampling to be conducted during RI[3]
STORAGE	O5-580.75	SB-O5-580.75-05	5/11/2000	0 - 1.5 ft.	E&E	A4DNT26	4-AMINO-2,6-DINITROTOLUENE	UG/KG	160 R	NA	4700	61000	Future sampling to be conducted during RI[1]
STORAGE	O7-396	SB-O7-396-03	7/26/2000	0 - 2 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	161 R	10000	39000	510000	Future sampling to be conducted during RI[3]
STORAGE	O7-9319	SB-O7-9319-01	5/5/2000	0 - 1.25 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	200 R	10000	39000	510000	Future sampling to be conducted during RI[3]
STORAGE	Q6-8	SB-Q6-8-05	7/26/2000	0 - 0.5 ft.	E&E	NO2BZ	NITROBENZENE	UG/KG	142 R	10000	39000	510000	Future sampling to be conducted during RI[3]

Notes:
SVOC = Semi-Volatile Organic Constituents
E&E = Explosives and Energetics
PCBS = Polychlorinated Biphenyls
IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NA = Not Applicable
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

[1] = AOCs with associated rejected data (R) or concentrations that exceeded the instrument calibration range (E) and no further NJDEP SCC exceedances were identified and will be sampled during the RI to confirm the R and E data do not warrant further action.

[2] = AOCs with associated rejected data or concentrations that exceeded the instrument calibration range identified at concentrations exceeding the NJDEP SCC and will be sampled during the RI to determine if further action is warranted.

[3] = Based on SI analytical data, this AOC requires additional investigation. The rejected analytes will be incorporated into RI sampling efforts

Table 6-1

AOCs Reserved For Remedial Investigation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Name	Description	Sample Selection Justification	Unrestriced Use Exceedances
TNT	A11-2	Mixed Acid Storage #3	Mixed Acid Storage # 3 50-60 ft. E of A11-7 contains tank cradles and a lower level for tank storage; pipe in S foundation no stressed vegetation (area 900 sq. ft.)	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	A11-4	Acid Fortifier #2	Rectangular, overgrown foundation with catch tank on N side; NW corner has transite piping and vessels; no environmental impacts	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	A11-5	Bi/Trinitrator #2	Old, overgrown foundation with pipes going into the ground at each corner no stressed vegetation	Reserved for Remedial Investigation due to the presence of lead and E&E materials, based on Roux's TNT Area Site Investigation	Metals, E&E
TNT	A11-504	Weak Acid Storage Tanks	Weak Acid Storage Tank; several old pits along E side of former bldg. Possibly catch tanks	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	A11-7	Nitric Acid Storage #2	Concrete footers overgrown; two small areas less than 10 ft. in diameter of stressed vegetation approximately 15 ft. from footers SE stressed vegetation contained lead both have slag present	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	A12-1	TNT in Soil	Small area S of A11-6; numerous chunks of TNT measuring several inches across;discarded terra cotta pipe and overturned soils (area 300 sq. ft.)	Reserved for Remedial Investigation due to the presence of TNT chunks on the ground, based on Phase I - Site Investigation Field Observation	E&E
TNT	A12-426	Block Breaker	Bldg. Demolished; adjacent to rail spur some brick present, but mostly a concrete foundation; rail spur overgrown	A subsurface layer of NC was found along the SW corner of the foundation during screening activities. This AOC has been reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
TNT	A13-625	Filter House #2	Thermally decontaminated building with half of former berm destroyed; metal debris remaining; no stressed vegetation	Reserved for Remedial Investigation due to the presence of E&E materials, based on Roux's TNT Area Site Investigation	E&E
TNT	B10-2	TNT in Soil	Piles of dirt that contain waste TNT not much vegetation in area; appears to radiate out from unknown structure possibly a catch tank to the north	Reserved for Remedial Investigation due to the presence of arsenic and E&E materials, based on Roux's TNT Area Site Investigation	Metals, E&E
TNT	B10-5	Possible Catch Tank for B10-508/B10-509	Three small concrete foundations covered with burnt wood; pipes from bldgs. 508 and 509 aimed toward this building; potential for stressed vegetation	Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been deferred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
TNT	B10-501	Nitric Acid Storage #1	Nitric Acid Storage Tanks; bldg. was burnt Bldg very degraded probably from acid; no vegetation in interior of bldg; process pipes and foundation not intact	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	B10-502	Mixed Acid Storage Tanks #1	Mi1ed Acid Storage Tanks; metal debris and drums present; thermally decontaminated pipes not intact; overgrown	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	B10-505	Acid Fortifier	Overgrown foundation of Acid Fortifying House thermally decontaminated;pipes inside bldg.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	B10-508	Bi/Trinitrator #1	Binitrator bldg burnt; large amount of debris and piping in center of bldg.; E of SE corner is left over brine coils	Reserved for Remedial Investigation due to the presence of lead and E&E materials, based on Roux's TNT Area Site Investigation	Metals, E&E

Table 6-1

AOCs Reserved For Remedial Investigation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Name	Description	Sample Selection Justification	Unrestriced Use Exceedances
TNT	B10-509	Neutralizer/Pelletizer #1	Neutralizer/Pelletizer Bldg has very high berms; piping and machinery in bldg. vegetated	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
TNT	B10-6	TNT in Soil	Small area 25 ft. S-SE of bldg. 508 with stressed vegetation; one piece of TNT found here; more possible	Reserved for Remedial Investigation due to the presence of arsenic and E&E materials, based on Roux's TNT Area Site Investigation	Metals, E&E
TNT	B12-1	Perchlorate Grinder	Undocumented structure very similar to Perchlorate Grinder; two large concrete foundations and a few pieces of old metal no evidence of environmental impact (area 400 sq. ft.)	Group A E&E materials were found at this location using an Expray Test Kit. This AOC has been deferred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
TNT	B12-234	Filter House #1 Sump	Rectangular shaped sump house for Filter House # 1; pit filled with water; no stressed vegetation	Reserved for Remedial Investigation due to the presence of E&E materials, based on Roux's TNT Area Site Investigation	E&E
TNT	B13-1	Settling Pond	Depressed area with a ditch entering from NW ditch originated at A13-625 Filter House # 2; 8-12 inch terra cotta pipe enters from the W possibly from A13-7543 Filter House # 3 area of brown stressed vegetation	Reserved for Remedial Investigation due to the presence of beryllium, lead and thallium, based on Roux's TNT Area Site Investigation	Metals
TNT	B13-2	Gravel Pit	Center of stressed vegetation, gravel pit (perimeter=800 ft)	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
TNT	C10-439	Weak Acid Storage Tanks	Old foundation; recently cleared here slight stressed vegetation on W side of ground; internal catch basin associated with tank cradles; several small pipes	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals
Dynamite	C13-666	Refined Graining House	Completely dismantled; TNT chunks scattered around ground	Reserved for Remedial Investigation due to the presence of TNT on the ground, based on Phase I - Site Investigation Field Observation	E&E
NG	C11-8572C	Storage Shed	Currently existing structure; aluminum sided with large loading/unloading door on E side; associated with nearby catch tank;contains old hoses for pumps. No evidence of release	Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	E&E
NG	C11-8572D	Instrument Room	Small shed with a meter that monitored the catch tank; aluminum siding. No evidence of release	Reverved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	E&E
NG	D11-2031	DNT Heater House	Intact brick structure with elevated walkway; immediate area is vegetated; doesn't appear to be any vegetative impacts.	Reserved for Remedial Investigation due to the presence of DNT, based on Phase I - Site Investigation Field Observation	E&E
Development	K5-1	Former Drum Disposal Area	An area adjacent to narrow gauge rail. Several hundred drums with metal debris, broken glass, and an old piece of process equipment on the surface. Dums and metal debris removed as part of IRM (perimeter=500 foot). Minimal evidence of release from seve	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	NA - No Samples Collected
Development	K5-2	Pond	Shallow pond that contained approximately 50 drums and metal debris on the surface. Pond may be seasonal and trees are growing within the pond. Drums and metal debris removed as part of IRM (perimeter=500 foot).	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	NA - No Samples Collected

Table 6-1

AOCs Reserved For Remedial Investigation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Name	Description	Sample Selection Justification	Unrestriced Use Exceedances
B-Line	M8-1	Disposal Area	Large area of stressed vegetation. Filled with building debris, scrap metal, wood, and drums. Some drums are buried and/or corroded (perimeter=2100 feet).	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	NA - No Samples Collected
Diazo	H8-1	Diazo Ponds	S pond's location evident due to stressed vegetation areas; N pond located from map; S pond shows dark brown to black soil staining with a red tint to staining (area=10,000 sq ft)	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
Diazo	H8-584	Can Stop Paint Shop	Bldg demolished-minimal evidence of former bldg; No evidence of release	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
Maintenance	G9-4	Buried Drum Area	Approximately 50 drums buried shallow beneath ground surface. Drums removed as part of IRM (perimeter=500 feet).	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	NA - No Samples Collected
Maintenance	H11-1	Former Burning Ground	Currently largely vegetated area with dark soil present towards E corner. No evidence of release (area=16,000 sq ft).	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E
A-Line	E9-1	Store House	Wooden construction over concrete block; seven loading; doors on SE and NW sides; stressed vegetation leads to culvert on SE side of bldg.	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
A-Line	E9-2119	Dry House	Wooden construction over concrete foundation; rail line; loading area on NW side; two steam pipe outlets on SE side; No evidence of release	This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	E&E
A-Line	E9-2337	100-ft Dryer	Wood construction over concrete block; steam process water line leads to SE. No evidence of a release.	This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	E&E
A-Line	F10-2094	NC Weigh House	Wooden construction over concrete foundation-loading area on SE side; new floor drain on NW side routed to adjacent culvert to WWTP. No evidence of release.	This AOC has been referred to the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	E&E
A-Line	G8-2110	Cut Powder Store	Wooden bldg constructed on concrete footers; rail loading area; on NE side; 1' x 1' duct work vent on NW side; No evidence of release.	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials found to be present using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	E&E
Finishing	J7-1	Graphite Pond	Former pond that received waste from Blender/Packer House J7-2281 J7-2282; pine trees in former pond; no water in former pond. No evidence of negative impact to the pond (area=18,000 sq ft).	This AOC has been reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
AN	H12-237	Former Burning Ground	Large areas of SV; minor amounts of gray/green discoloration. Slag aggregate present (area=25,000 sq ft).	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
AN	H13-1	Unknown Name	Bldg. demolished-wood construction; three posts evident in W corner; Stressed vegetation in W corner and N of rail line off of N corner of bldg.	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
AN	H13-7	Stressed Vegetation	Large area with minimal vegetation; White powdery material present in small amounts to S corner of area (area=6,200 sq ft)	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E

Table 6-1

AOCs Reserved For Remedial Investigation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Name	Description	Sample Selection Justification	Unrestriced Use Exceedances
Storage	J10-2166	D-2 Wax House	CMU foundation with wooden siding. Catch tank on S side.	This AOC has been referred to the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	E&E
Storage	N6-1	Disposal Area	Area used for disposal of solid materials: machinery, concrete, drums, wood, etc. Disposal area currently covered with grass (perimeter=2000 feet).	This AOC has been referred to the Remedial Investigation, based on Phase I - Site Investigation Field Observation	NA - No Samples Collected

Abbreviations:
AOC = Area of Concern
TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
XRF = X-ray Fluorescence

HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
IRM = Interim Remedial Measure
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector

Sq Ft = Square Foot
No. = Number
NA = Not Applicable

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 7-1

Uncompleted Sampling Activities
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	OP #	Name	Description	Screening Sample IDs	Analytical Sample Ids	Required Action
TNT	A12-3	1	Heater House	Heater house collapsing foundation (area 600 sq. ft.)	SB-A12-3-01 through SB-A12-3-04	SB-A12-3-03	Collect a confirmation analytical sample at SB-A12-3-02
TNT	A13-753	1	Filter House #3	Bldg. and associated berm almost totally removed; substantial vegetation; pieces of metal machinery in center of former bldg. Small pile of metal reinforcing bars E of A13-753 (area 500 sq. ft.)	SB-A13-753-01 through SB-A13-753-04	SB-A13-753-01	Collect a confirmation analytical sample at SB-A13-753-03
NG	D10-3	3	Electric Transformer	Transformer has been removed. No evidence of release	SB-D10-3-01	SB-D10-3-01	Collect an analytical sample at SB-D10-3-01, and analyze for Metals
MAINTENANCE	G9-8105	7	Machine Shop	Brick shop built on concrete foundation; concrete gutter along SE side. No evidence of release.	SB-G9-8105-01 through SB-G9-8105-07	SB-G9-8105-05	Collect a confirmation analytical sample at SB-G9-8105-04
MAINTENANCE	H12-4	7	Baled Bag Store #10	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-4-01 through SB-H12-4-03	SB-H12-4-01	Collect a confirmation analytical sample at SB-H12-4-02
MAINTENANCE	H12-5	7	Pulp and Sawdust Store #4	Building demolished, area largely covered with vegetation; Location determined from maps; No evidence of release	SB-H12-5-01 through SB-H12-5-03	SB-H12-5-03	Collect a confirmation analytical sample at SB-H12-5-02
A-LINE	E9-556	9	Cotton Blend	Bldg demolished-only concrete foundation remains; No evidence of release (area=300 sq ft)	SB-E9-556-01 through SB-E9-556-04	SB-E9-556-04	Collect a confirmation analytical sample at SB-E9-556-02
A-LINE	F10-2289	9	Catch Tank House	Corrugated sheet metal and wood construction over concrete foundation; gutter from 2101; No evidence of release	SB-F10-2289-01 through SB-F10-2289-04	SB-F10-2289-01	Collect a confirmation analytical sample at SB-F10-2289-03
A-LINE	F8-1	9	Unknown	Bldg demolished; corners of foundation evident the rest covered by soil; 4" pipe into ground at S corner. No evidence of release.	SB-F8-1-01 through SB-F8-1-06	SB-F8-1-02	Collect a confirmation analytical sample at SB-F8-1-04
A-LINE	F8-2	9	Unknown	Bldg. demolished; old concrete foundations evident in S and E; remainder covered by soil; sheet metal debris present possibly due to adjacent F8-2117	SB-F8-2-01 through SB-F8-2-05	SB-F8-2-01	Collect a confirmation analytical sample at SB-F8-2-05
A-LINE	F8-4	9	Unknown Foundations	Concrete pads; W pad has cast-in-place rebar. Bldgs demolished. No evidence of release (area=200 sq ft).	SB-F8-4-01 through SB-F8-4-03	SB-F8-4-02	Collect a confirmation analytical sample at SB-F8-4-03
A-LINE	F8-567	9	Final Mix House	Bldg demolished; concrete rubble at N end; No evidence of release	SB-F8-567-01 through SB-F8-567-05	SB-F8-567-05	Collect a confirmation analytical sample at SB-F8-567-02
A-LINE	F9-2104	9	Premix Rest House	Wooden and corrugated sheet metal construction; steam pipe enters E corner; drum of potassium sulfate inside; No evidence of release	SB-F9-2104-01 through SB-F9-2104-06	SB-F9-2104-03	Collect a confirmation analytical sample at SB-F9-2104-02
A-LINE	F9-2279	9	Air Compressor/Dryer House	Sheet metal and fiberglass over wood; air compressor/dryer evident in fiberglass enclosed SW half of structure; No evidence of release	SB-F9-2279-01 through SB-F9-2279-04	SB-F9-2279-02	Collect a confirmation analytical sample at SB-F9-2279-04
A-LINE	F9-558A	9	Dehydrator	Bldg demolished-minimal evidence of former bldg; No evidence of release (area=500 sq ft)	SB-F9-558A-01 through SB-F9-558A-04	SB-F9-558A-01	Collect a confirmation analytical sample at SB-F9-558A-03

Table 7-1

Uncompleted Sampling Activities
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	OP #	Name	Description	Screening Sample IDs	Analytical Sample Ids	Required Action
TNT	A12-3	1	Heater House	Heater house collapsing foundation (area 600 sq. ft.)	SB-A12-3-01 through SB-A12-3-04	SB-A12-3-03	Collect a confirmation analytical sample at SB-A12-3-02
A-LINE	F9-PA3	9	Collection Pit	Culvert leads in from A1/A2 and out to A4; feed in from 2106; No evidence of release			Excavate a Test Pit at this location, collect a screening sample and an analytical sample
FINISHING	I9-515	10	Spent Acid Recovery	Bldg demolished; pine grove planted in former location; No evidence of a release	SB-I9-515-01 through SB-I9-515-05	SB-I9-515-01	Collect a confirmation analytical sample at SB-I9-515-05
STORAGE	L7-4	12	Discarded Drums	Drums and metal debris has been removed; No evidence of a release	SB-L7-4-01 through SB-L7-4-03	SB-L7-4-02	Collect a confirmation analytical sample at SB-L7-4-01
STORAGE	P5-536	12	Dry House #55	Same as 05-537 except berm is more intact, there is a 0.5 inch pipe going into ground at NE corner.	SB-P5-536-01 through SB-P5-536-06	SB-P5-536-01	Collect a confirmation analytical sample at SB-P5-536-05
MISCELLANEOUS/OFFSITE	D16-1	13	Administration Building	Wooden/siding construction over concrete block foundation Ceramic catch pipe on SE corner. No evidence of release.	SB-D16-1-01 through SB-D16-1-05	SB-D16-1-01 SB-D16-1-02	Collect a confirmation analytical sample at SB-D16-1-04

Note: All area measurements have been rounded to the nearest 100 feet.

Abbreviations:

TNT = 2,4,6-Trinitrotoluene
NG = Nitroglycerin
NC = Nitrocellulose
PETN = Pentaerythritol Tetrnitrate
DIGL-RIP = Stick Propellant
E&E = Energetic and Explosive
Bldg = Building
WWTP = Wastewater Treatment Plant
AST = Aboveground Storage Tank
EQ = Equilization Tank
RR = Railroad
HVAC = Heating Ventilation and Air Conditioning
AC = Air Conditioning
PVC = Polyvinyl Chloride
SS = Stainless Steel
SV = Stressed Vegetation
IRM = Interim Remedial Measure
Gal = Gallon
? = Unknown
~ = Approximately
" = Inch
` = Foot
Sq Ft = Square Foot
No. = Number
AOC = Area of Concern
XRF = X-ray Fluorescence
PPM = Parts Per Million
PID = Photoionization Detector
FID = Flame-Ionization Detector

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

Table 8-1

Geophysical Investigation
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

Operational Area	AOC Designation	Name	Description
TNT	B13-2	Gravel Pit	Center of stressed vegetation, gravel pit (perimeter=800 ft)
MAINTENANCE	G9-4	Buried Drum Area	Approximately 50 drums buried shallow beneath surface. Drums removed as part of Single Phase Remediation. (perimeter=200 ft)
DEVELOPMENT	K05-1	Former Drum Disposal Area	Area adjacent to narrow gauge rail. Several hundred drums with metal debris, broken glass, and an old piece of process equipment on surface. Drums and metal debris removed as part of Single Phase Remediation. (perimeter=500 ft)
DEVELOPMENT	K5-2	Pond	Shallow pond that contained approximately 50 drums and metal debris on surface. Pond may be seasonal and trees are growing within the pond. Drums and metal debris removed as part of Single Phase Remediation. (perimeter=500 ft)
DEVELOPMENT	K6-1	Debris Area	Small area of drum and metal debris. Drums and metal debris removed as part of Single Phase Remediation. (perimeter=40 ft)
B-LINE	M8-1	Former Landfill	Large area of stressed vegetation. Filled with building material, scrap metal, wood and drums. Some drums are buried and/or corroded. (perimeter=2100 ft)
STORAGE	N6-1	Former Landfill	Area used for disposal of solid materials: machinery, concrete, drums, wood, etc. Landfill currently covered with grass (perimeter=2000 ft)

HERCULES

Hercules - Kenvil Works Facility
Kenvil, New Jersey

Soils Site Investigation

Volume III - Analytical Results Tables

May 2004

MWH

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A10-3-01 10/8/1999 0 - 0.5 ft.	SB-A10-3-01 10/8/1999 0 - 1.3 ft.	SB-A10-516-05 10/8/1999 0 - 1.5 ft.	SB-A10-516-05 10/8/1999 0.5 - 1.0 ft.	SB-A10-516-06 7/21/2000 0.5 - 1.0 ft.	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-01 6/8/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	620 U	NR	NR	620 U	625 UJ	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	620 U	NR	NR	620 U	625 UJ	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	620 U	NR	NR	620 U	625 UJ	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	620 U	NR	NR	620 U	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	620 U	NR	NR	620 U	625 UJ	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1200 U	NR	NR	1200 U	1250 UJ	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2500 U	NR	NR	2500 U	2500 UJ	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	620 U	NR	NR	620 U	6250 UJ	NR	NR
BENZENE	UG/KG	1000	3000	13000	620 U	NR	NR	620 U	625 UJ	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	620 U	NR	NR	620 U	625 UJ	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	620 U	NR	NR	620 U	625 UJ	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1200 UJ	NR	NR	1200 UJ	1250 UJ	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	620 U	NR	NR	620 U	625 UJ	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	620 U	NR	NR	620 U	625 UJ	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1200 U	NR	NR	1200 U	1250 UJ	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	620 U	NR	NR	620 U	625 UJ	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1200 UJ	NR	NR	290 J	1250 UJ	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	620 U	NR	NR	620 U	625 UJ	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	490 UJ	NR	NR	1500 UJ	720 UJ	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	84.4	66.1	NR	NR	88.7	85.3
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	620 U	NR	NR	620 U	625 UJ	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A10-3-01 10/8/1999 0 - 0.5 ft.	SB-A10-3-01 10/8/1999 0 - 1.3 ft.	SB-A10-516-05 10/8/1999 0 - 1.5 ft.	SB-A10-516-05 10/8/1999 0.5 - 1.0 ft.	SB-A10-516-06 7/21/2000 0.5 - 1.0 ft.	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-01 6/8/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	620 U	NR	NR	620 U	625 UJ	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	620 U	NR	NR	620 U	625 UJ	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1200 U	NR	NR	1200 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-1-04 6/8/2000 0 - 2 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-03 6/8/2000 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.	SB-A11-3-05 6/8/2000 0 - 1.5 ft.	SB-A11-570-01 6/8/2000 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	73.2	82.9	67.7	70.1	87.7	86.6	77.9
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-1-04 6/8/2000 0 - 2 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-03 6/8/2000 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.	SB-A11-3-05 6/8/2000 0 - 1.5 ft.	SB-A11-570-01 6/8/2000 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 10/15/1999 0 - 0.5 ft.	SB-A12-3-03 10/15/1999 0 - 1.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	530 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	530 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	530 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	530 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	530 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	530 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	530 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	1100 U	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	2100 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	530 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	530 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	530 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	530 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	1100 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	530 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	530 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	1100 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	530 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	360 J	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	530 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	530 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	530 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	690 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	83.1	85.4	84	79.2	84	NR	74.5
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	530 U	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 10/15/1999 0 - 0.5 ft.	SB-A12-3-03 10/15/1999 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	530 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	530 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	530 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	1100 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-3-03 11/18/1999 0 - 1.5 ft.	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-5-03 10/15/1999 0 - 0.5 ft.	SB-A12-5-03 10/15/1999 0 - 1.5 ft.	SB-A12-5-05 10/15/1999 0 - 0.5 ft.	SB-A12-5-05 10/15/1999 0 - 1 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	540 U	NR	580 U	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	540 U	NR	580 U	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	1100 U	NR	1200 U	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	2200 U	NR	2300 U	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	540 U	NR	580 U	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	540 U	NR	580 U	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	540 U	NR	580 U	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	540 U	NR	580 U	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	1100 U	NR	1200 U	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	540 U	NR	580 U	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	540 U	NR	580 U	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	1100 U	NR	1200 U	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	540 U	NR	580 U	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	150 J	NR	150 J	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	540 U	NR	580 U	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	560 J	NR	730 U	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	88.4	77.2	76.8	NR	88.5	NR	84.5	73.3
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	540 U	NR	580 U	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-3-03 11/18/1999 0 - 1.5 ft.	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-5-03 10/15/1999 0 - 0.5 ft.	SB-A12-5-03 10/15/1999 0 - 1.5 ft.	SB-A12-5-05 10/15/1999 0 - 0.5 ft.	SB-A12-5-05 10/15/1999 0 - 1 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	540 U	NR	580 U	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	540 U	NR	580 U	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	1100 U	NR	1200 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 10/14/1999 0 - 2 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 10/15/1999 0 - 0.5 ft.	SB-A13-753-01 10/15/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	560 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	560 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	560 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	560 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	560 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	560 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	560 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	1100 U	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	2200 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	560 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	560 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	560 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	560 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	1100 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	560 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	560 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	1100 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	560 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	260 J	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	560 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	560 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	560 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	600 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	83.6	87.5	83.1	76.5	83.2	NR	83.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	560 U	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 10/14/1999 0 - 2 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 10/15/1999 0 - 0.5 ft.	SB-A13-753-01 10/15/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	560 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	560 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	560 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	1100 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A13-753-01 11/18/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.	SB-B10-4-01 10/15/1999 0 - 2 ft.	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	80	72.5	81.2	67.8	75.1	85.4	83.1
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A13-753-01 11/18/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.	SB-B10-4-01 10/15/1999 0 - 2 ft.	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	88.4	80.7	83.9	75.6	85.5	82.1	86.3
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-513-05 10/14/1999 0 - 1 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-07 10/14/1999 0 - 1 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	79.8	79	81.7	87	85.4	80.4
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-513-05 10/14/1999 0 - 1 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-07 10/14/1999 0 - 1 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-3-02 10/13/1999 0 - 2 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	83.1	71.7	71.5	79.8	69	84.2	60.1
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-3-02 10/13/1999 0 - 2 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-01 7/21/2000 0.5 - ft.	SB-B13-724-05 10/8/1999 0 - 0.5 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	534 UJ	620 U	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	534 UJ	620 U	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	534 UJ	620 U	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	620 U	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	534 UJ	620 U	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	1070 UJ	1200 U	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	2140 UJ	2500 U	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	5340 UJ	620 U	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	534 UJ	620 U	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	534 UJ	620 U	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	534 UJ	620 U	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	1070 UJ	1200 UJ	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	534 UJ	620 U	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	534 UJ	620 U	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	1070 UJ	1200 U	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	534 UJ	620 U	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	1070 UJ	420 J	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	534 UJ	620 U	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	609 UJ	670 UJ	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	72.7	81.3	NR	NR	85.3	73.7	88.6
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	534 UJ	620 U	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-01 7/21/2000 0.5 - ft.	SB-B13-724-05 10/8/1999 0 - 0.5 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	534 UJ	620 U	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	534 UJ	620 U	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	1200 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	82.3	70	74.8	84.32	83.8	85.2	64.8
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 10/8/1999 0 - 0.5 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.	TP-B10-503-07 8/17/2000 7.5 - 8.0 ft.	TP-B10-506-07 8/17/2000 3.5 - 4.0 ft.	TP-B13-8-06 8/17/2000 3.5 - 4.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	82.4	57.5	60.8	87.6	89.7	82.5
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR

Table 5-1A

Analytical Results
TNT Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 10/8/1999 0 - 0.5 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.	TP-B10-503-07 8/17/2000 7.5 - 8.0 ft.	TP-B10-506-07 8/17/2000 3.5 - 4.0 ft.	TP-B13-8-06 8/17/2000 3.5 - 4.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A10-3-01 10/8/1999 0 - 0.5 ft.	SB-A10-516-05 10/8/1999 0.5 - 2.5 ft.	SB-A10-516-06 7/21/2000 0.5 - 2.5 ft.	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	620 U	620 U	625 UJ	370 U	460 U	490 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	620 U	620 U	625 UJ	370 U	460 U	490 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	620 U	620 U	625 UJ	370 U	460 U	490 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	620 U	620 U	625 UJ	370 U	460 U	490 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	NR	NR	370 U	460 U	490 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	NR	NR	370 U	460 U	490 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	NR	NR	1900 U	2300 U	2500 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	NR	NR	**72 J**	460 U	490 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	NR	NR	370 U	460 U	490 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	NR	NR	750 U	910 U	980 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	1900 U	2300 U	2500 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	1900 U	2300 U	2500 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	NR	NR	37 J	460 U	490 U	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	NR	NR	35 J	460 U	28 J	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	NR	NR	370 U	460 U	490 U	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	NR	NR	370 U	460 U	490 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	NR	NR	370 U	460 U	490 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	NR	NR	18 J	24 J	490 U	380 U
CHRYSENE	UG/KG	500000	9000	40000	NR	NR	NR	370 U	460 U	490 U	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A10-3-01 10/8/1999 0 - 0.5 ft.	SB-A10-516-05 10/8/1999 0.5 - 2.5 ft.	SB-A10-516-06 7/21/2000 0.5 - 2.5 ft.	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	NR	NR	370 U	460 U	490 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR	NR	19 J	460 U	490 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR	370 U	460 U	490 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	620 U	620 U	625 UJ	370 U	460 U	490 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	NR	NR	370 U	460 U	490 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	NR	NR	370 U	460 U	490 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	NR	NR	370 U	460 U	490 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	NR	NR	370 U	460 U	490 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	460 U	490 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	NR	370 U	460 U	490 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	620 U	620 U	228 UJ	370 U	460 U	490 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	NR	NR	1900 U	2300 U	2500 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	NR	NR	25 J	460 U	490 U	380 U
PHENOL	UG/KG	50000	10000000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	NR	NR	NR	370 U	460 U	490 U	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-570-01 6/8/2000 0 - 2 ft.	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 10/15/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	400 U	NR	400 U	420 U	400 U	450 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	855 U	2000 U	781 UJ	2000 U	2100 U	2000 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	428 U	**55 J**	390 U	400 U	420 U	400 U	450 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	400 U	NR	400 U	420 U	400 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	855 UJ	800 U	781 U	800 U	840 U	800 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	855 U	2000 U	781 UJ	2000 U	2100 U	2000 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	428 U	400 U	390 UJ	400 U	420 U	400 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	NR	2000 U	2100 U	2000 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
BENZIDINE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	428 U	400 U	390 U	400 U	92 J	400 U	450 U
BENZO(a)PYRENE	UG/KG	100000	660	660	428 U	37 J	390 U	400 U	98 J	400 U	450 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	428 U	400 U	390 U	400 U	110 J	400 U	450 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	400 U	NR	400 U	420 U	400 U	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	420 U	400 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	428 U	NR	390 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	40.6 U	400 U	25 U	22 J	420 U	400 U	450 U
CHRYSENE	UG/KG	500000	9000	40000	428 U	400 U	390 U	400 U	97 J	400 U	450 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	428 U	400 U	390 U	400 U	98 J	400 U	450 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	428 UJ	400 U	390 U	400 U	420 U	400 U	450 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-570-01 6/8/2000 0 - 2 ft.	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 10/15/1999 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	428 U	400 U	390 U	400 U	420 U	400 U	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	428 U	400 U	390 U	400 U	170 J	400 U	450 U
FLUORENE	UG/KG	100000	2300000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	400 U	NR	400 U	420 U	400 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	428 U	400 U	390 UJ	400 U	420 U	400 U	450 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	428 UJ	400 U	390 U	400 U	420 U	400 U	450 U
ISOPHORONE	UG/KG	50000	1100000	10000000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	428 UJ	400 U	390 UJ	400 U	420 U	400 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	428 UJ	400 U	390 U	400 U	420 U	400 U	450 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	428 U	24000	390 U	2200	420 U	500	450 U
NAPHTHALENE	UG/KG	100000	230000	4200000	428 U	400 U	390 U	400 U	420 U	400 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	855 U	2000 U	781 U	2000 U	2100 U	2000 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	428 U	400 U	390 U	400 U	39 J	400 U	450 U
PHENOL	UG/KG	50000	10000000	10000000	428 U	400 U	390 UJ	400 U	420 U	400 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	428 U	400 U	390 U	400 U	150 J	400 U	450 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-5-03 10/15/1999 0 - 1.5 ft.	SB-A12-5-05 10/15/1999 0 - 1 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 10/14/1999 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	NR	380 U	400 U	440 U	NR	380 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	867 UJ	1900 U	2000 U	2200 U	797 UJ	1900 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	433 U	380 U	400 U	440 U	399 U	**41 J**	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	NR	380 U	400 U	440 U	NR	380 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	860 U	867 U	760 U	800 U	880 U	797 U	760 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2200 U	867 UJ	1900 U	2000 U	2200 U	797 UJ	1900 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2200 U	NR	1900 U	2000 U	2200 U	NR	1900 U	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	433 U	380 U	400 U	440 U	99.3 J	380 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	19 J
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	433 U	380 U	400 U	440 U	112 J	380 U	64 J
BENZIDINE	UG/KG	NA	NA	NA	430 U	40.7 J	380 U	400 U	440 U	177 J	380 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	70 J	50.7 J	48 J	48 J	140 J	129 J	67 J	240 J
BENZO(a)PYRENE	UG/KG	100000	660	660	80 J	71.1 J	380 U	46 J	170 J	148 J	63 J	200 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	110 J	433 U	380 U	400 U	320 J	399 U	80 J	280 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	433 UJ	380 U	400 U	140 J	399 U	380 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	84 J	NR	380 U	94 J	110 J	NR	380 U	100 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	433 U	NR	NR	NR	399 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	43 J	39.9 U	29 J	33 J	67 J	35.5 J	380 U	20 J
CHRYSENE	UG/KG	500000	9000	40000	85 J	57.6 J	54 J	78 J	130 J	155 J	61 J	190 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	86 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-5-03 10/15/1999 0 - 1.5 ft.	SB-A12-5-05 10/15/1999 0 - 1 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 10/14/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	433 UJ	380 U	400 U	440 U	399 U	380 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	101 J	88 J	120 J	200 J	370 J	98 J	420
FLUORENE	UG/KG	100000	2300000	10000000	430 U	433 U	380 U	400 U	440 U	58.2 J	380 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	NR	380 U	400 U	440 U	NR	380 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	433 UJ	380 U	400 U	440 U	399 UJ	380 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	433 U	380 U	400 U	110 J	399 U	380 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	433 UJ	380 U	400 U	440 U	399 UJ	380 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2200 U	867 U	1900 U	2000 U	2200 U	797 U	1900 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	97 J	78.4 J	48 J	84 J	440 U	563	380 U	150 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	433 U	380 U	400 U	440 U	399 U	380 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	200 J	433 U	130 J	100 J	290 J	465	380 U	320 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 10/15/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.	SB-B10-4-01 10/15/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	880000 U	400 UJ	400 U	460 U	410 U	490 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	4400000 U	2000 U	2000 U	2300 U	820 U	2500 U	2200 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	880000 U	400 U	400 U	**121 J**	410 U	490 U	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1800000 U	800 U	790 U	920 U	820 U	980 U	890 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	4400000 U	2000 U	2000 U	930 U	820 U	2500 U	2200 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	4400000 U	2000 U	2000 U	2300 U	820 U	2500 U	2200 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	880000 U	41 J	33 J	26 J	21.3 J	490 U	440 U
ANTHRACENE	UG/KG	100000	10000000	10000000	880000 U	75 J	33 J	31 J	48.8 J	490 U	440 U
BENZIDINE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	880000 U	650	340 J	190 J	261 J	69 J	440 U
BENZO(a)PYRENE	UG/KG	100000	660	660	880000 U	580	300 J	190 J	214 J	59 J	440 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	880000 U	740	320 J	380 J	285 J	490 U	440 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	880000 U	170 J	180 J	250 J	145 J	490 U	440 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	880000 U	340 J	220 J	170 J	410 U	490 U	440 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	880000 U	400 U	31 J	74 J	410 U	490 U	440 U
CHRYSENE	UG/KG	500000	9000	40000	880000 U	530	300 J	280 J	240 J	68 J	440 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 10/15/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.	SB-B10-4-01 10/15/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	880000 U	1000	500	360 J	568	140 J	440 U
FLUORENE	UG/KG	100000	2300000	10000000	880000 U	400 U	400 U	23 J	410 U	490 U	440 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	880000 U	190 J	170 J	210 J	110 J	490 U	440 U
ISOPHORONE	UG/KG	50000	1100000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	880000 U	400 UJ	400 U	460 U	410 U	490 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
NAPHTHALENE	UG/KG	100000	230000	4200000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	4400000 U	2000 U	2000 U	2300 U	820 U	2500 U	2200 U
PHENANTHRENE	UG/KG	NA	NA	NA	880000 U	190 J	95 J	200 J	285 J	50 J	440 U
PHENOL	UG/KG	50000	10000000	10000000	880000 U	400 U	400 U	460 U	410 U	490 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	880000 U	740 J	400 J	480	498	490 U	440 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	779 U	2000 U	1900 U	2100 U	2000 U	876 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	400 U	380 U	**733 J**	400 U	**6978 J**	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	779 U	800 U	760 U	820 U	800 U	876 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	779 U	2000 U	1900 U	2100 U	2000 U	876 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	779 U	2000 U	1900 U	2100 U	2000 U	876 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 UJ	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	400 U	380 U	410 U	23 J	438 U	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	400 U	28 J	410 U	400 U	68.3 J	22 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	380 U	410 U	400 U	438 UJ	390 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	400 U	380 U	410 U	400 U	438 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	400 U	380 U	410 U	400 U	438 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	779 U	2000 U	1900 U	2100 U	2000 U	876 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	400 U	380 U	410 U	400 U	438 U	390 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	400 U	380 U	410 U	400 U	438 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	390 U	422 U	410 U	390 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	390 U	NR	410 U	390 U	420 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	390 U	422 U	410 U	390 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	390 U	422 U	410 U	390 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	1900 U	844 UJ	2000 U	1900 U	2100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	390 U	**380.3 J**	**130 J**	**1500**	**292 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	390 U	422 U	410 U	390 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	390 U	NR	410 U	390 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	780 UJ	844 U	810 U	780 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	1900 U	844 UJ	2000 U	1900 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	1900 U	NR	2000 U	1900 U	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	19 J	39 J
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	390 U	422 U	410 U	64 J	58 J
BENZIDINE	UG/KG	NA	NA	NA	410 U	390 U	169 J	410 U	390 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	390 UJ	619	410 U	560	540
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	390 UJ	**1160 J**	410 U	520	580
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	390 UJ	786 J	410 U	770	870
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	390 UJ	422 UJ	410 U	150 J	400 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	390 UJ	NR	410 U	270 J	210 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	390 UJ	422 U	410 U	390 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	390 U	422 U	410 U	390 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	422 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	24 J	390 UJ	71.7 U	33 J	22 J	22 J
CHRYSENE	UG/KG	500000	9000	40000	410 U	390 UJ	602	410 U	390 U	500
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	390 U	186 J	410 U	390 U	420 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	390 UJ	422 UJ	410 U	390 U	420 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	390 UJ	461	410 U	390 U	150 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	390 U	422 UJ	410 U	390 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 U	390 U	98.7 J	410 U	700	630
FLUORENE	UG/KG	100000	2300000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	390 U	NR	410 U	390 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	390 U	422 U	410 U	390 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	390 U	422 UJ	410 U	390 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	390 U	422 U	410 U	390 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	390 UJ	443 J	410 U	160 J	330 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	390 U	422 UJ	410 U	390 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	390 U	422 U	410 U	390 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	390 U	422 U	410 U	78 J	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	390 U	422 U	410 U	390 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	1900 U	844 U	2000 U	1900 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 U	390 U	75.5 J	410 U	310 J	120 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	390 U	422 U	410 U	390 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	390 UJ	278 J	410 U	390 U	620

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-3-02 10/13/1999 0 - 2 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	460 U	460 U	420 U	480 U	400 U	560 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	803 UJ	2300 U	2300 U	2100 U	2400 U	2000 U	2800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**248.1 J**	**3300**	**193 J**	420 U	**76 J**	**280 J**	**1000 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	460 U	460 U	420 U	480 U	400 U	560 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	803 U	920 U	920 U	830 U	970 U	790 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	803 UJ	2300 U	2300 U	2100 U	2400 U	2000 U	2800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2300 U	2300 U	2100 U	2400 U	2000 U	2800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	19 J	560 U
ANTHRACENE	UG/KG	100000	10000000	10000000	401 U	170 J	460 U	420 U	480 U	28 J	560 U
BENZIDINE	UG/KG	NA	NA	NA	33.3 J	460 U	460 U	420 U	480 U	400 U	560 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	401 U	**1600**	40 J	420 U	480 U	140 J	560 U
BENZO(a)PYRENE	UG/KG	100000	660	660	401 U	**1500**	77 J	420 U	480 U	150 J	57 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	401 U	**2600**	130 J	420 U	480 U	180 J	560 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	401 U	630	460 UJ	420 U	480 U	400 U	560 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	760	460 UJ	420 U	480 U	140 J	560 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	401 U	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	22.9 U	20 J	23 J	23 J	480 U	34 J	56 J
CHRYSENE	UG/KG	500000	9000	40000	401 U	1500	83 J	420 U	480 U	140 J	52 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	77 J	460 U	460 U	420 U	480 U	400 U	560 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	401 U	460 U	460 UJ	420 U	480 U	400 U	560 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-3-02 10/13/1999 0 - 2 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	401 U	230 J	460 UJ	420 U	480 U	400 U	560 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	401 U	2600	460 U	420 U	480 U	260 J	560 U
FLUORENE	UG/KG	100000	2300000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	460 U	460 U	420 U	480 U	400 U	560 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	401 UJ	460 U	460 U	420 U	480 U	400 U	560 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	401 U	640	460 UJ	420 U	480 U	400 U	560 U
ISOPHORONE	UG/KG	50000	1100000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	401 UJ	460 U	460 U	420 U	480 U	400 U	560 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	401 U	460 U	460 U	420 U	480 U	400 U	560 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
NAPHTHALENE	UG/KG	100000	230000	4200000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	803 U	2300 U	2300 U	2100 U	2400 U	2000 U	2800 U
PHENANTHRENE	UG/KG	NA	NA	NA	24.9 J	380 J	35 J	420 U	480 U	98 J	560 U
PHENOL	UG/KG	50000	10000000	10000000	401 U	460 U	460 U	420 U	480 U	400 U	560 U
PYRENE	UG/KG	100000	1700000	10000000	401 U	2400	460 U	420 U	480 U	260 J	560 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	**16800**	2000 U	2300 U	1900 U	805 U	2400 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**1003 J**	**342900 J**	390 U	**533 J**	370 U	403 UJ	480 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	910 U	8200 U	780 U	900 U	750 UJ	805 U	950 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 U	8200 U	2000 U	2300 U	1900 U	805 U	2400 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 U	8200 U	2000 U	2300 U	1900 U	805 U	2400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	90 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	23 J	370 U	403 U	280 J
ANTHRACENE	UG/KG	100000	10000000	10000000	460 U	4100 U	390 U	51 J	370 U	403 U	810
BENZIDINE	UG/KG	NA	NA	NA	460 U	4100 UJ	390 U	450 U	370 U	403 UJ	480 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 U	4100 U	390 U	180 J	370 UJ	75.7 J	**4100**
BENZO(a)PYRENE	UG/KG	100000	660	660	460 U	4100 U	390 U	170 J	370 UJ	124 J	**3700**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 U	4100 U	390 U	250 J	370 UJ	329 J	**3900**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 UJ	138 J	2000 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 U	4100 U	390 U	450 U	370 UJ	403 U	**2300**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	4100 U	390 U	450 U	370 UJ	403 U	480 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	1080 J	390 U	450 U	370 UJ	80.9 J	480 U
CHRYSENE	UG/KG	500000	9000	40000	460 U	4100 U	390 U	200 J	370 UJ	233 J	3800
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	4100 UJ	390 U	450 U	370 UJ	403 UJ	480 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	4100 U	390 U	450 U	370 UJ	71.3 J	540 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 U	4100 U	390 U	450 U	370 U	128 J	7500
FLUORENE	UG/KG	100000	2300000	10000000	460 U	4100 U	390 U	510	370 U	403 U	210 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 U	4100 U	390 U	450 U	370 UJ	107 J	**1700 J**
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	450 U	370 U	403 U	480 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 U	4100 U	390 U	450 U	370 U	403 U	480 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	460 U	4100 U	390 U	450 U	370 U	403 U	86 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 U	8200 U	2000 U	2300 U	1900 U	805 U	2400 U
PHENANTHRENE	UG/KG	NA	NA	NA	460 U	4100 U	390 U	240 J	370 U	403 U	3100
PHENOL	UG/KG	50000	10000000	10000000	460 U	4100 U	390 U	450 U	370 U	403 U	480 UJ
PYRENE	UG/KG	100000	1700000	10000000	460 U	4100 U	390 U	370 J	370 UJ	141 J	7800

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	446 U	NR	398 U	390 U	510 UJ	410 U	550 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	891 UJ	790 UJ	796 U	2000 U	2600 UJ	2000 U	2700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	446 U	**118 J**	398 UJ	390 U	510 UJ	410 U	550 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
2-NITROPHENOL	UG/KG	NA	NA	NA	446 U	NR	398 U	390 U	510 UJ	410 U	550 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	891 U	790 U	796 U	780 U	1000 UJ	810 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	891 UJ	790 U	796 U	2000 U	2600 UJ	2000 U	2700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
4-NITROPHENOL	UG/KG	NA	NA	NA	891 UJ	NR	796 U	2000 U	2600 UJ	2000 U	2700 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	446 U	395 U	398 U	390 U	510 UJ	42 J	30 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	50 J
ANTHRACENE	UG/KG	100000	10000000	10000000	446 U	395 U	398 U	390 U	510 UJ	120 J	68 J
BENZIDINE	UG/KG	NA	NA	NA	446 U	395 U	398 UJ	390 U	510 UJ	410 U	550 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	135 J	212 J	398 U	390 U	510 UJ	390 J	300 J
BENZO(a)PYRENE	UG/KG	100000	660	660	130 J	188 J	398 U	390 U	510 UJ	360 J	280 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	143 J	270 J	398 U	390 U	510 UJ	580	390 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	446 U	92.03 J	398 U	390 U	510 UJ	140 J	330 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	446 U	90.05 J	398 U	390 U	510 UJ	160 J	100 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	395 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25.9 J	26.46 J	39.4 J	390 U	26 J	24 J	90 J
CHRYSENE	UG/KG	500000	9000	40000	139 J	204 J	398 U	390 U	510 UJ	400 J	310 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	446 U	395 U	398 UJ	390 U	510 UJ	410 U	550 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	266 J	497	398 U	390 U	510 UJ	970	570
FLUORENE	UG/KG	100000	2300000	10000000	446 U	395 U	398 U	390 U	510 UJ	43 J	35 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	446 U	NR	398 U	390 U	510 UJ	410 U	550 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	446 U	395 UJ	398 U	390 U	510 UJ	410 U	550 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	69.5 J	94 J	398 U	390 U	510 UJ	130 J	210 J
ISOPHORONE	UG/KG	50000	1100000	10000000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
NAPHTHALENE	UG/KG	100000	230000	4200000	446 U	395 U	398 U	390 U	510 UJ	410 U	550 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	891 U	790 U	796 U	2000 U	2600 UJ	2000 U	2700 U
PHENANTHRENE	UG/KG	NA	NA	NA	158 J	140 J	398 U	390 U	510 UJ	690	410 J
PHENOL	UG/KG	50000	10000000	10000000	446 U	24.88 J	398 U	390 U	510 UJ	410 U	550 U
PYRENE	UG/KG	100000	1700000	10000000	263 J	245 J	398 U	390 U	510 UJ	790	640

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-B10-503-07 8/17/2000 7.5 - 9.5 ft.	TP-B10-506-07 8/17/2000 3.5 - 5.5 ft.	TP-B13-8-06 8/17/2000 3.5 - 5.5 ft.
Semi-Volatile Organic Compounds							
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	371 U	404 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	371 U	404 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	371 U	404 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	371 U	404 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	371 U	404 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	371 U	404 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	371 U	404 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	371 U	404 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	761 UJ	742 UJ	808 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**2082**	371 U	404 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	371 U	404 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	371 U	404 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	761 U	742 U	808 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	761 U	742 U	808 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	371 U	404 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	371 U	404 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	371 U	404 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	371 U	404 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	371 U	404 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	371 U	404 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	371 U	404 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	371 U	49.3 J
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	371 U	38.8 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	371 U	404 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	371 U	404 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	371 U	404 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	371 U	404 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	371 U	404 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	371 U	404 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	371 U	404 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	371 U	404 U
CHRYSENE	UG/KG	500000	9000	40000	380 U	371 U	404 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	371 U	404 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	371 U	404 U

Table 5-1B

Analytical Results
TNT Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-B10-503-07 8/17/2000 7.5 - 9.5 ft.	TP-B10-506-07 8/17/2000 3.5 - 5.5 ft.	TP-B13-8-06 8/17/2000 3.5 - 5.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	371 U	404 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	371 U	404 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	371 U	404 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	371 U	97.3 J
FLUORENE	UG/KG	100000	2300000	10000000	380 U	371 U	404 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	371 U	404 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	371 U	404 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	371 U	404 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	371 U	404 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	371 U	404 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	371 U	404 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	371 U	404 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	371 U	404 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	761 U	742 U	808 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	371 U	404 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	371 U	404 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	371 U	93.3 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-01 6/8/2000 0 - 1 ft.	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-1-04 6/8/2000 0 - 2 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-03 6/8/2000 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.	SB-A11-3-05 6/8/2000 0 - 1.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	**120 J**	NR	240 U	NR	220 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	400 U	NR	480 U	NR	430 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	400 U	NR	480 U	NR	430 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	400 U	NR	480 U	NR	430 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	NR	400 U	NR	480 U	NR	430 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	NR	200 U	NR	240 U	NR	220 U	NR
NITROCELLULOSE	MG/KG	NA	NA	NA	39 U	41.5 U	44.3 U	60.9	88.5	57.2	41.5 U	39.9 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5368.6 U	5850 U	6354 U	6000 U	7385.5 U	7080 U	5183 U	5690 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	400 U	NR	480 U	NR	430 U	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	NR	400 U	NR	480 U	NR	430 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-570-01 6/8/2000 0 - 2 ft.	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 10/15/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	240 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	240 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	**740 J**	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	240 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	240 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	428 U	NR	500 U	480 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	480 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	240 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	855 U	NR	500 U	480 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	480 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	428 UJ	400 U	250 U	240 U	420 U	400 U	450 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	40.5 U	103	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5840 U	5537.1 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	480 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	480 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-5-03 10/15/1999 0 - 1.5 ft.	SB-A12-5-05 10/15/1999 0 - 1 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.	SB-A12-7-04 10/14/1999 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	NR	227 U	220 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	NR	NR	227 U	220 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	NR	NR	NR	227 U	**390 J**	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	NR	NR	NR	227 U	220 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	NR	NR	227 U	**1300 J**	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	455 U	430 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	NR	NR	455 U	430 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	NR	NR	NR	227 U	980 J	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	455 U	430 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	NR	NR	455 U	430 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	250 U	380 U	400 U	440 U	227 U	220 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	104	NR	NR	NR	42 U	84.1	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	26200	NR	NR	NR	5980 U	5714.3 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	NR	NR	455 U	430 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	455 U	430 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-7-04 11/19/1999 0 - 2 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 10/15/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	45000 J	250 U	240 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	**3100 J**	250 U	240 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**3200**	**14600000 J**	**2200 J**	240 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	**19000 J**	250 U	240 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**8100**	220 UJ	**1700 J**	240 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	430 UJ	500 U	480 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	430 UJ	500 U	480 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	**5700 J**	220 UJ	990 J	240 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	430 UJ	500 U	480 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	430 UJ	500 U	480 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	220 UJ	250 U	240 U	460 U	410 U	490 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	161	97.3 J	72.5	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6376.5 U	5463.3 U	543.1 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	430 UJ	500 U	480 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	430 UJ	500 U	480 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-4-01 10/15/1999 0 - 2 ft.	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	220 U	230 U	217.4 U	210 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	220 U	230 U	217.4 U	210 U	**821**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	220 U	230 U	217.4 U	210 UJ	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**240 J**	230 U	**1275.8**	210 U	**23600 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	**150 J**	230 U	**1351.7 J**	210 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	430 U	450 U	434.8 U	420 U	671 J
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	430 U	450 U	434.8 U	420 U	276 J
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	150 J	230 U	1290	210 U	1830 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	430 U	450 U	434.8 U	420 U	2310 R
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	430 U	450 U	434.8 U	420 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	440 U	390 U	220 U	230 U	217.4 U	210 U	244 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	90.1	37.6	109	116	46 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	6016.8 U	5386.8 U	5763.5 U	5814.1 U	6610 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	430 U	450 U	434.8 U	420 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	430 U	450 U	434.8 U	420 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-656-02 10/12/1999 0 - 2 ft.	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.	SB-B11-513-05 10/14/1999 0 - 1 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-07 10/14/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	208.4 U	NR	NR	210 U	NR	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	208.4 U	NR	NR	210 U	NR	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	208.4 U	NR	NR	**11000 J**	NR	NR	**120 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**383.4**	NR	NR	210 U	NR	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**508.3 J**	NR	NR	**3400 J**	NR	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	416.7 U	NR	NR	420 U	422 U	NR	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	416.7 U	NR	NR	420 U	NR	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	433.8	NR	NR	**4800**	NR	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	416.7 U	NR	NR	420 U	844 U	NR	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	416.7 U	NR	NR	420 U	NR	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	208.4 U	410 U	390 U	210 U	422 UJ	410 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	45.5	NR	NR	84.4	NR	NR	97.1
NITROGLYCERIN	UG/KG	NA	46000	200000	5705.3 U	NR	NR	5967.3 U	NR	NR	5224.7 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	416.7 U	NR	NR	420 U	NR	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	416.7 U	NR	NR	420 U	NR	NR	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-3-01 10/13/1999 0 - 0.25 ft.	SB-B12-3-02 10/13/1999 0 - 2 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	120 J	1180 J	230 U	192.3 U	227.2 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	220 U	**945**	**870 J**	192.3 U	227.2 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	**20000 J**	**274000 J**	**1600 J**	**287.5**	227.2 U	**1700 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	220 U	**1110 J**	**4800 J**	192.3 U	227.2 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	220 U	3110 R	**18000 J**	**3760.8 J**	227.2 UJ	**3100**
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	476 U	450 U	384.6 U	454.5 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	430 U	476 U	450 U	384.6 U	454.5 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	2100 J	3910 R	**8500 J**	1925.4 R	227.2 U	2600 J
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	476 U	450 U	384.6 U	454.5 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	430 U	476 U	450 U	384.6 U	454.5 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	390 U	220 U	184 R	230 U	192.3 U	227.2 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	94.5	64.9	124	141	44.7 U	1140
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	621.9 U	5940 U	6973.5 U	6822.4 U	5967.3 U	2298.1
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	430 U	476 U	450 U	384.6 U	454.5 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	430 U	476 U	870 J	384.6 U	454.5 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	210 U	250 U	32900 J	250 U	210 U	230 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	**3900**	**1000 J**	**9110 J**	250 U	**1500 J**	230 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**490 J**	**570 J**	**9600 J**	**39568000 J**	**190 J**	**1600 J**	230 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	**14000**	**3800 J**	**1140000 J**	**270**	**3700 J**	230 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	210 U	**3200 J**	250 UJ	250 U	**1500 J**	230 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	420 U	500 U	500 UJ	500 U	420 U	450 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	420 U	500 U	500 UJ	500 U	420 U	450 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	210 U	250 U	250 UJ	250 U	210 U	230 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	420 U	500 U	500 UJ	500 U	420 U	450 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	420 U	500 U	500 UJ	500 U	420 U	450 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	210 U	250 U	250 UJ	250 U	210 U	230 U
NITROCELLULOSE	MG/KG	NA	NA	NA	121	258	453	1340 J	126	140	80.5
NITROGLYCERIN	UG/KG	NA	46000	200000	5655.5 U	7739 U	6709.8 U	**476000000 J**	5328.8 U	6030.5 U	5016.3 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	420 U	500 U	701 R	500 U	420 U	450 U
TETRYL	UG/KG	NA	780000	10000000	450 U	420 U	1600 J	500 UJ	500 U	150 J	450 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	NR	90.9 U	250 U	NR	NR	200 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227 U	NR	90.9 U	250 U	NR	NR	200 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**1450 J**	NR	90.9 U	**2290 J**	NR	NR	200 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227 U	NR	90.9 U	231 R	NR	NR	200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	217 R	NR	90.9 U	250 U	NR	NR	200 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	NR	182 U	500 U	NR	NR	400 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	455 U	NR	182 U	500 U	NR	NR	400 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	125 R	NR	90.9 U	250 U	NR	NR	200 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	NR	182 U	500 U	NR	NR	400 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	455 U	NR	182 U	500 U	NR	NR	400 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	480 U	90.9 U	250 U	398 U	390 U	200 U
NITROCELLULOSE	MG/KG	NA	NA	NA	62.7 J	NR	47.6 U	82.3 J	NR	NR	48.4
NITROGLYCERIN	UG/KG	NA	46000	200000	21700	NR	6680 U	5648 U	NR	NR	7177.7 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	455 U	NR	182 U	500 U	NR	NR	400 U
TETRYL	UG/KG	NA	780000	10000000	455 U	NR	182 U	500 U	NR	NR	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1C

Analytical Results
TNT Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 10/8/1999 0 - 0.5 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.	TP-B10-503-07 8/17/2000 7.5 - 9.5 ft.	TP-B10-506-07 8/17/2000 3.5 - 5.5 ft.	TP-B13-8-06 8/17/2000 3.5 - 5.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 U	240 U	NR	227 U	217 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 U	240 U	NR	227 U	217 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	210 U	240 U	NR	**333000 J**	**231 J**	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	210 U	240 U	NR	**967**	217 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	210 U	240 U	NR	**1630 J**	217 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	480 U	NR	455 U	435 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	420 U	480 U	NR	455 U	435 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 U	240 U	NR	3060 J	217 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	480 U	NR	455 U	435 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	420 U	480 U	NR	455 U	435 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	210 U	240 U	550 U	227 U	217 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	124	230	NR	39.2 U	38.8 U	40.6 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5276.5 U	7905.1 U	NR	5570 U	5180 U	5910 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	420 U	480 U	NR	455 U	435 U	500 U
TETRYL	UG/KG	NA	780000	10000000	420 U	480 U	NR	455 U	435 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-1-01 10/8/1999 0 - 1 ft.	SB-A11-1-04 10/8/1999 0 - 1 ft.	SB-A11-3-03 10/8/1999 0 - 1 ft.	SB-A11-3-05 10/8/1999 0 - 1 ft.	SB-A11-570-01 6/8/2000 0 - 2 ft.	SB-A11-570-05 10/14/1999 0 - 1 ft.	SB-A11-8-02 6/8/2000 0 - 1.5 ft.	SB-A11-8-03 10/14/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1 UN	0.43 UN	0.52 UN	0.54 UN	0.658 U	0.52 J	0.633 U	0.43 UJ
ARSENIC	MG/KG	NA	20	20	10.1	4.3	3.2	2.1	2.82	4.5	2.06	2.4
BERYLLIUM	MG/KG	NA	2	2	0.38 B	0.63	0.36	0.39	0.93	0.61	0.126	0.25 B
CADMIUM	MG/KG	NA	39	100	0.34 B	0.26 U	0.31 U	0.32 U	0.693	0.28 U	0.158 U	0.26 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.7	15.9	10.5	11.2	11.5	14.8	9.08	12.8
COPPER	MG/KG	NA	600	600	19.8	13.1	56	7	7.98	23.8	5.41	27.6
LEAD	MG/KG	NA	400	600	**1250**	**679**	305	136	36.7	227 J	13.9	14.1 J
MERCURY	MG/KG	NA	14	270	0.15	0.06	0.05	0.03 B	0.037	0.37	0.038 U	0.04
NICKEL	MG/KG	NA	250	2400	10	9.3	6.2	5.7	4.69	10.8	2.49	4.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.8	1	0.67	0.59	1.65	1	0.606	0.83
SILVER	MG/KG	NA	110	4100	0.48 B	0.26 U	0.31 U	0.32 U	0.316 J	0.28 U	0.317 U	0.26 U
THALLIUM	MG/KG	NA	2	2	2 U	0.86 U	1 U	0.68 B	1.1 U	0.94 U	1.06 U	0.87 U
ZINC	MG/KG	NA	1500	1500	424	157	39.1	30	39.6	119	11.8	25.9

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A11-9-03 10/14/1999 0 - 1.3 ft.	SB-A11-9-04 10/14/1999 0 - 1 ft.	SB-A12-3-03 11/18/1999 0 - 1.5 ft.	SB-A12-4-01 10/15/1999 0 - 1 ft.	SB-A12-4-02 6/8/2000 0 - 1.25 ft.	SB-A12-6-01 10/14/1999 0 - 2 ft.	SB-A12-6-02 6/8/2000 0 - 2 ft.	SB-A12-7-03 10/14/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.59 UJ	0.46 UJ	0.5 UJ	0.51 UJ	0.774 U	0.58 UJ	0.641 U	0.51 UJ
ARSENIC	MG/KG	NA	20	20	5.5	3	3	4	3.43	3.2	1.79	2.7
BERYLLIUM	MG/KG	NA	2	2	0.72	0.49	1	0.22 B	0.189	0.13 B	0.117	0.1 B
CADMIUM	MG/KG	NA	39	100	0.04 B	0.53	0.18 B	0.22 B	0.252 J	0.35 U	0.171 U	0.31 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.4	12.5	15.5	9.7	10.3	8.3	11.6	5.4
COPPER	MG/KG	NA	600	600	22	27.8	14.5	9.2	7.65	7.2	5.27	8
LEAD	MG/KG	NA	400	600	**1700 J**	**577 J**	5.4	57.9	37.8	91.1 J	4.94	75.7 J
MERCURY	MG/KG	NA	14	270	0.06	0.07	0.03 UJ	0.11 J	0.035 J	1.8	0.849	0.03 B
NICKEL	MG/KG	NA	250	2400	10.2	8.4	6.6	4.6	4.23	2.1	2.97	2.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.3	0.79	0.78 UJ	0.57 B	0.767	0.73	0.383 J	1
SILVER	MG/KG	NA	110	4100	0.12 B	0.27 U	0.3 U	0.12 B	0.387 U	0.35 U	0.32 U	0.31 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.92 U	0.99 U	1.2 U	1.29 U	1.2 U	1.07 U	1 U
ZINC	MG/KG	NA	1500	1500	68.3	190	37.2 *N	49.6	18.2	12.6	11.2	9.9

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-A12-7-04 10/14/1999 0 - 2 ft.	SB-A12-8-05 10/14/1999 0 - 2 ft.	SB-A13-1-01 10/14/1999 0 - 2 ft.	SB-A13-753-01 11/18/1999 0 - 2 ft.	SB-B10-20-01 10/15/1999 0 - 1 ft.	SB-B10-3-01 6/16/2000 0 - 1 ft.	SB-B10-3-03 10/15/1999 0 - 2 ft.	SB-B10-4-01 10/15/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.58 UJ	0.56 UJ	0.52 UJ	0.54 UJ	11.6 UJ	0.697 U	0.29 UJ	0.33 UJ
ARSENIC	MG/KG	NA	20	20	5.2	6.3	5.9	4.3	**41**	4.7	4.5	3.6
BERYLLIUM	MG/KG	NA	2	2	0.85	0.67	0.71	0.73	0.54 B	0.642	0.77	0.69
CADMIUM	MG/KG	NA	39	100	0.35 U	0.34 U	0.31 U	0.32 B	6.1 B	0.246 J	0.05 B	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.7	22.9	18.1	16.2	27	16.2	19.1	18.8
COPPER	MG/KG	NA	600	600	16.8	**874**	23.3	17.3	128	18.6	18.8	20.6
LEAD	MG/KG	NA	400	600	26.9 J	**1290 J**	**417 J**	334	**5570**	213	111	41.7
MERCURY	MG/KG	NA	14	270	0.08	0.21	0.06	0.11 J	0.49 J	0.097	0.05 J	0.04 J
NICKEL	MG/KG	NA	250	2400	14.7	17.2	10.7	9	21.3	8.5	11.3	12.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.93	1.1	1	1.1 J	11.6 U	1.23	0.57 B	0.55 U
SILVER	MG/KG	NA	110	4100	0.35 U	0.34 U	0.31 U	0.33 U	7 U	0.348 U	0.38 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.1 U	1 U	1.1 U	23.2 U	1.16 U	1.3 U	1.1 U
ZINC	MG/KG	NA	1500	1500	89.8	211	59.6	77.8 *N	**4810**	35.4	41.8	37.7

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-4-02 6/16/2000 0 - 2 ft.	SB-B10-503-01 10/11/1999 0 - 2 ft.	SB-B10-503-02 10/11/1999 0 - 1 ft.	SB-B10-503-06 10/12/1999 0 - 2 ft.	SB-B10-506-02 10/14/1999 0 - 1 ft.	SB-B10-506-04 7/21/2000 0 - 2 ft.	SB-B10-656-02 10/12/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.682 U	0.47 UN	0.51 UN	0.47 UN	0.51 UJ	0.496 U	0.5 UN
ARSENIC	MG/KG	NA	20	20	3.49	4.3	2.3	4	4.8	5.92	4
BERYLLIUM	MG/KG	NA	2	2	0.314	0.84	0.54	0.4	0.5	0.735 J	0.64
CADMIUM	MG/KG	NA	39	100	0.123 J	0.03 B	0.7	0.28 U	0.31 U	0.739	0.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.1	21.2	9.5	18.4	17	17.9	18.8
COPPER	MG/KG	NA	600	600	14.7	15.7	12.2	18	64.1	20.2	16.7
LEAD	MG/KG	NA	400	600	11.6	25.1	162	244	250 J	21.7	7.3
MERCURY	MG/KG	NA	14	270	0.034 J	0.03 B	0.03 B	0.11	0.09	0.436	0.02 B
NICKEL	MG/KG	NA	250	2400	7.86	11.5	6.7	6.5	10.3	11.8	11.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.07	0.41 B	0.51 U	1.1	1.2	1.12 U	0.74
SILVER	MG/KG	NA	110	4100	0.341 U	0.28 U	0.31 U	0.28 U	0.31 U	0.248 U	0.3 U
THALLIUM	MG/KG	NA	2	2	1.14 U	0.93 U	1 U	0.93 U	1 U	0.827 U	1 U
ZINC	MG/KG	NA	1500	1500	27.5	80.4	366	79.4	50.6	65.4	46.6

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D = Indicates compound was found in analysis as a secondary dilution factor
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-656-02 11/18/1999 0 - 1.5 ft.	SB-B11-2-03 10/12/1999 0 - 2 ft.	SB-B11-513-02 10/14/1999 0 - 2 ft.	SB-B11-523-01 6/8/2000 0 - 2 ft.	SB-B11-523-03 10/12/1999 0 - 2 ft.	SB-B11-602C-08 10/14/1999 0 - 1 ft.	SB-B11-663-04 10/15/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	NR	0.45 UN	0.53 UJ	0.633 U	0.29 BN	2.3 UJ	0.52 UJ
ARSENIC	MG/KG	NA	20	20	NR	3.5	4.3	3	5.8	7	3.8
BERYLLIUM	MG/KG	NA	2	2	NR	0.44	0.48	0.527	0.47	0.5 B	0.24 B
CADMIUM	MG/KG	NA	39	100	NR	0.27 U	0.15 B	0.283 J	0.31 U	13.1	0.08 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	NR	16.6	17	11.4	20.6	12.8	11.9
COPPER	MG/KG	NA	600	600	NR	13.6	25.4	10.3	35.5	34.7	21.4
LEAD	MG/KG	NA	400	600	NR	26.6	90.3 J	72.4	279	**858 J**	176
MERCURY	MG/KG	NA	14	270	NR	0.05	0.11	0.143	3.1	0.11	0.08 J
NICKEL	MG/KG	NA	250	2400	NR	5.9	8.3	5.99	9.1	10.5	6.2
pH	PH	NA	NA	NA	4.41	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	NR	0.74	1.2	0.717	0.72	1.3 B	0.64
SILVER	MG/KG	NA	110	4100	NR	0.27 U	0.32 U	0.317 U	0.31 U	0.83 B	0.13 B
THALLIUM	MG/KG	NA	2	2	NR	0.53 B	1.1 U	1.06 U	1 U	4.5 U	1 U
ZINC	MG/KG	NA	1500	1500	NR	30.9	79.1	37.5	55	**3990**	134

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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D = Indicates compound was found in analysis as a secondary dilution factor
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-663-06 6/8/2000 0 - 4 ft.	SB-B12-237-01 10/14/1999 0 - 1.5 ft.	SB-B12-450-03 10/15/1999 0 - 2 ft.	SB-B13-682-03 10/8/1999 0 - 0.8 ft.	SB-B13-682-04 10/8/1999 0 - 1.3 ft.	SB-B13-682-06 10/8/1999 0 - 1 ft.	SB-B13-724-01 7/21/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.612 UJ	5.7 UJ	0.64 UJ	0.53 UN	0.69 UN	0.38 UN	0.671 U
ARSENIC	MG/KG	NA	20	20	3.52	**28.3**	5.4	5.2	17	2.7	4.31
BERYLLIUM	MG/KG	NA	2	2	0.254	0.46 B	0.8	0.63	0.88	0.64	0.761 J
CADMIUM	MG/KG	NA	39	100	0.343	1.6 B	0.11 B	0.99	0.41 U	0.23 U	1.36
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13	21.6	15	20.8	20.4	13.7	14.1
COPPER	MG/KG	NA	600	600	99.1 J	**644**	23.5	33.6	43.1	122	31.3
LEAD	MG/KG	NA	400	600	128	**1540 J**	158	156	82.5	74.5	67
MERCURY	MG/KG	NA	14	270	0.036	0.08	0.06 J	3.8	0.49	0.02 B	0.21
NICKEL	MG/KG	NA	250	2400	4.96	50.2	10.2	11.7	15.5	7.5	7.97
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.754	6.3	0.5 B	1.1	1.7	0.53	1.07 U
SILVER	MG/KG	NA	110	4100	0.111 J	1.4 B	0.38 U	0.32 U	0.41 U	0.23 U	0.335 U
THALLIUM	MG/KG	NA	2	2	1.02 UJ	11.4 U	1.3 U	1.1 U	1.4 U	0.5 B	1.12 U
ZINC	MG/KG	NA	1500	1500	54.1 J	**2720**	77.1	983	127	80.4	136

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Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B13-724-05 10/8/1999 0 - 2 ft.	SB-B13-757-04 10/8/1999 0 - 0.2 ft.	SB-B13-8-04 10/8/1999 0 - 2 ft.	SB-B13-8-05 7/21/2000 0 - 2 ft.	SB-B9-2-05 10/15/1999 0 - 2 ft.	SB-C10-432-01 9/27/2000 0 - 1 ft.	SB-C10-432-02 7/13/2000 0 - 1 ft.	SB-C10-438-01 7/21/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.54 UN	0.4 UN	0.48 UN	0.584 U	**14.5 J**	0.91 U	0.684 UJ	0.607 U
ARSENIC	MG/KG	NA	20	20	5.3	8.2	3.8	4.16	**24.1**	5.16	6.29	4.01
BERYLLIUM	MG/KG	NA	2	2	0.82	0.74	0.61	0.652 J	0.88 B	0.791 J	0.685	0.933 J
CADMIUM	MG/KG	NA	39	100	0.32 U	0.24 U	0.06 B	0.702	0.59 B	0.204 B	0.3 J	0.632
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.1	11	13.7	16.2	60.7	10.3	16.2	14.4
COPPER	MG/KG	NA	600	600	17.4	14.6	12	57.4	171	12.7	22.2	10.4
LEAD	MG/KG	NA	400	600	21.4	69.2	21.7	75.1	**2190**	96.8 J	107 J	34.4
MERCURY	MG/KG	NA	14	270	0.06	0.03 B	0.04	0.084	0.72 J	0.1	0.097	0.047
NICKEL	MG/KG	NA	250	2400	9.1	9.1	7.9	9.94	25.9	7.75	10.4	8.28
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.5	1.2	0.78	1.08 U	3 B	0.487 B	1.37	1.04 U
SILVER	MG/KG	NA	110	4100	0.32 U	0.24 U	0.29 U	0.292 U	1.4 B	0.386 U	0.342 U	0.303 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.8 U	0.96 U	0.973 U	12.8 U	1.29 U	1.14 U	1.01 U
ZINC	MG/KG	NA	1500	1500	93.5	62.1	153	118	258	54.7	59.9	53.8

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Table 5-1D

Analytical Results
TNT Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-438-05 10/8/1999 0 - 2 ft.	SB-C10-440-02 10/8/1999 0 - 2 ft.	SB-C10-466-02 10/8/1999 0 - 1 ft.	SB-C8-1-01 11/18/1999 0 - 0.5 ft.
Metals, Total								
ANTIMONY	MG/KG	NA	14	340	0.21 BN	0.47 UN	1 N	1.3 J
ARSENIC	MG/KG	NA	20	20	4.2	5.4	6.9	14.9
BERYLLIUM	MG/KG	NA	2	2	0.92	0.85	0.3	0.23 B
CADMIUM	MG/KG	NA	39	100	0.32 U	0.28 U	0.28 U	0.41 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.6	20.6	16.7	17.3
COPPER	MG/KG	NA	600	600	10.2	18.8	25	31.3
LEAD	MG/KG	NA	400	600	29.6	**1550**	**3070**	**10200**
MERCURY	MG/KG	NA	14	270	0.04 B	0.07	0.26	1.1 J
NICKEL	MG/KG	NA	250	2400	8.4	11	8.1	7.2
pH	PH	NA	NA	NA	5.66	6.92	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.75	1.1	0.73	2.8 J
SILVER	MG/KG	NA	110	4100	0.32 U	0.28 U	0.2 B	0.32 B
THALLIUM	MG/KG	NA	2	2	0.58 B	0.95 U	0.93 U	1.5 U
ZINC	MG/KG	NA	1500	1500	54.4	83	159	112 *N

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Table 5-2A

Analytical Results
Dynamite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-207B-04 11/9/1999 0.5 - 1.0 ft.	SB-E11-6-02 7/14/2000 0.5 - 1.0 ft.	SB-E11-6-04 7/14/2000 0.5 - 1.0 ft.	TP-C12-8229-05 8/8/2000 4.5 - 5.0 ft.	TP-E11-8228-06 8/8/2000 2.5 - 3.0 ft.	TP-F13-8230-05 8/8/2000 4.5 - 5.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	525 U	NR	638 U	590 UJ	609 UJ	661 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1050 U	1250 U	1276 U	1180 UJ	1220 UJ	1320 UJ
ACROLEIN	UG/KG	NA	NA	NA	2101 UJ	2500 U	2551 U	2360 UJ	2440 UJ	2640 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
BENZENE	UG/KG	1000	3000	13000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
BROMOFORM	UG/KG	1000	86000	370000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1050 U	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1050 U	1250 U	1276 U	1180 UJ	1220 UJ	1320 UJ
CHLOROFORM	UG/KG	1000	19000	28000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1050 U	389 J	730 J	1180 UJ	1220 UJ	1320 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	625 U	638 U	590 UJ	609 UJ	661 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	525 U	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2096 UJ	1830 U	**2630**	590 UJ	609 UJ	661 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ

Table 5-2A

Analytical Results
Dynamite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-207B-04 11/9/1999 0.5 - 1.0 ft.	SB-E11-6-02 7/14/2000 0.5 - 1.0 ft.	SB-E11-6-04 7/14/2000 0.5 - 1.0 ft.	TP-C12-8229-05 8/8/2000 4.5 - 5.0 ft.	TP-E11-8228-06 8/8/2000 2.5 - 3.0 ft.	TP-F13-8230-05 8/8/2000 4.5 - 5.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	525 U	625 U	638 U	590 UJ	609 UJ	661 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1050 U	NR	260 J	1180 UJ	1220 UJ	1320 UJ

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Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B12-422-04 6/22/2000 0 - 2 ft.	SB-B12-422-06 11/3/1999 0 - 2 ft.	SB-B13-262A-01 11/2/1999 0 - 2 ft.	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-B13-7-01 11/2/1999 0 - 2 ft.	SB-B13-7-06 11/2/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	405 U	390 U	350 U	390 U	410 U	500 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	500 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	390 U	350 U	390 U	410 U	500 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	405 U	390 U	350 U	390 U	410 U	500 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	405 U	390 U	350 U	390 U	410 U	500 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	2000 U	1800 U	1900 U	2100 U	2500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	405 U	390 U	350 U	**390 J**	410 U	500 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	500 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	405 U	390 U	350 U	390 U	410 U	500 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U	350 U	390 U	410 U	500 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	780 U	700 U	780 U	810 U	990 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	2000 U	1800 U	1900 U	2100 U	2500 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	500 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	500 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	1800 U	1900 U	2100 U	2500 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	70 J
ANTHRACENE	UG/KG	100000	10000000	10000000	405 U	390 U	350 U	390 U	410 U	71 J
BENZIDINE	UG/KG	NA	NA	NA	405 UJ	390 UJ	350 U	390 U	410 U	500 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	405 U	390 U	350 U	62 J	410 U	99 J
BENZO(a)PYRENE	UG/KG	100000	660	660	405 U	390 U	350 U	34 J	410 U	110 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	405 U	390 U	350 U	390 U	410 U	520
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	405 U	390 UJ	350 U	390 U	410 U	320 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	405 U	390 U	350 U	390 U	410 U	88 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	405 U	390 U	350 U	390 U	410 U	500 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	405 UJ	390 U	350 U	390 U	410 U	500 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	405 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	405 U	390 U	350 U	40 J	29 J	500 U
CHRYSENE	UG/KG	500000	9000	40000	405 U	390 U	350 U	100 J	410 U	340 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	75.39 J	390 U	48 J	59 J	47 J	120 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B12-422-04 6/22/2000 0 - 2 ft.	SB-B12-422-06 11/3/1999 0 - 2 ft.	SB-B13-262A-01 11/2/1999 0 - 2 ft.	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-B13-7-01 11/2/1999 0 - 2 ft.	SB-B13-7-06 11/2/1999 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	405 U	390 UJ	350 U	390 U	410 U	500 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 UJ	390 U	46 J	390 U	45 J	130 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	405 U	390 U	350 U	390 U	410 U	330 J
FLUORENE	UG/KG	100000	2300000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	350 U	390 U	410 U	500 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	405 U	390 U	350 U	390 U	410 U	500 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	405 UJ	390 U	350 U	390 U	410 U	500 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	405 U	390 U	350 U	390 U	410 U	500 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	405 U	390 UJ	350 U	390 U	410 U	290 J
ISOPHORONE	UG/KG	50000	1100000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	405 U	390 U	350 U	390 U	410 U	500 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	405 UJ	390 U	350 U	390 U	410 U	500 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	405 U	390 U	350 U	390 U	410 U	500 U
NAPHTHALENE	UG/KG	100000	230000	4200000	405 U	390 U	350 U	390 U	410 U	500 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	2000 U	1800 U	1900 U	2100 U	2500 U
PHENANTHRENE	UG/KG	NA	NA	NA	405 U	390 U	350 U	48 J	410 U	90 J
PHENOL	UG/KG	50000	10000000	10000000	405 U	390 U	350 U	390 U	410 U	500 U
PYRENE	UG/KG	100000	1700000	10000000	405 U	390 U	350 U	390 U	410 U	300 J

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B14-128-01 11/3/1999 0 - 2 ft.	SB-B14-128-02 7/6/2000 0 - 2 ft.	SB-B14-3-02 7/6/2000 0 - 2 ft.	SB-B14-3-05 11/3/1999 0 - 2 ft.	SB-C12-1-03 10/19/1999 0 - 2 ft.	SB-C12-1-04 10/19/1999 0 - 2 ft.	SB-C12-274-01 10/21/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 UJ	NR	NR	420 UJ	370 U	420 U	450 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 UJ	797 U	795 U	2100 UJ	1900 U	2100 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 UJ	398 U	397 U	420 U	370 U	420 U	450 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 UJ	NR	NR	420 UJ	370 U	420 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	797 U	795 U	840 UJ	750 U	840 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 UJ	797 U	795 U	2100 UJ	1900 U	2100 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 UJ	NR	NR	2100 UJ	1900 U	2100 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
BENZIDINE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	398 U	397 U	420 UJ	370 U	420 U	53 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	398 U	397 U	420 UJ	370 U	420 U	55 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	398 U	397 U	420 UJ	370 U	420 U	110 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	398 U	397 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
CHRYSENE	UG/KG	500000	9000	40000	420 U	398 U	397 U	420 UJ	370 U	420 U	81 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B14-128-01 11/3/1999 0 - 2 ft.	SB-B14-128-02 7/6/2000 0 - 2 ft.	SB-B14-3-02 7/6/2000 0 - 2 ft.	SB-B14-3-05 11/3/1999 0 - 2 ft.	SB-C12-1-03 10/19/1999 0 - 2 ft.	SB-C12-1-04 10/19/1999 0 - 2 ft.	SB-C12-274-01 10/21/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
FLUORENE	UG/KG	100000	2300000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 UJ	NR	NR	420 UJ	370 U	420 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 UJ	NR	NR	420 UJ	370 U	420 U	450 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 UJ	797 U	795 U	2100 UJ	1900 U	2100 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
PHENOL	UG/KG	50000	10000000	10000000	420 UJ	398 U	397 U	420 UJ	370 U	420 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	398 U	397 U	420 UJ	370 U	420 U	450 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-275-02 10/20/1999 0 - 2 ft.	SB-C12-3-03 10/19/1999 0 - 2 ft.	SB-C12-4-01 10/19/1999 0 - 2 ft.	SB-C12-418-01 9/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	410 U	440 U	430 U	390 U	396 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	410 UJ	440 U	430 U	390 U	396 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	NR	440 U	430 U	390 U	396 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	410 U	440 U	430 U	390 U	396 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	410 U	440 U	430 U	390 U	396 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	410 UJ	440 U	430 U	390 U	396 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	820 U	2200 U	2200 U	1900 U	792 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**60 J**	**56.59 J**	440 U	430 U	390 U	396 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	410 U	440 U	430 U	390 U	396 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	410 U	440 U	430 U	390 U	396 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	NR	440 U	430 U	390 U	396 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	860 UJ	820 U	880 U	860 U	780 U	792 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 U	820 U	2200 U	2200 U	1900 U	792 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	410 U	440 U	430 U	390 U	396 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	410 UJ	440 U	430 U	390 U	396 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	410 U	440 U	430 U	390 U	396 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	NR	2200 U	2200 U	1900 U	792 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	410 U	440 U	33 J	390 U	396 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	410 U	440 U	430 U	390 U	396 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	410 U	440 U	91 J	390 U	396 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	410 UJ	440 U	430 U	390 U	396 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	120 J	410 U	440 U	440	390 U	396 U
BENZO(a)PYRENE	UG/KG	100000	660	660	120 J	410 U	440 U	380 J	390 U	396 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	230 J	410 U	440 U	530	390 U	396 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 UJ	410 U	440 U	170 J	390 U	396 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	100 J	410 U	440 U	240 J	390 U	396 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 UJ	410 UJ	440 U	430 U	390 U	396 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	410 U	440 U	430 U	390 U	396 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	410 UJ	440 U	430 U	390 U	396 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	410 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 UJ	410 U	440 U	430 U	390 U	25.8 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	410 U	440 U	420 J	390 U	396 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	410 UJ	440 U	430 U	390 U	396 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 UJ	410 U	440 U	430 U	390 U	396 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-275-02 10/20/1999 0 - 2 ft.	SB-C12-3-03 10/19/1999 0 - 2 ft.	SB-C12-4-01 10/19/1999 0 - 2 ft.	SB-C12-418-01 9/27/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 UJ	410 U	440 U	430 U	390 U	396 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	410 UJ	440 U	430 U	390 U	396 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	410 U	440 U	1000	390 U	396 U
FLUORENE	UG/KG	100000	2300000	10000000	430 U	410 U	440 U	52 J	390 U	396 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	NR	440 U	430 U	390 U	396 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	410 U	440 U	430 U	390 U	396 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	410 U	440 U	430 U	390 U	396 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	410 UJ	440 U	430 U	390 U	396 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 UJ	410 U	440 U	170 J	390 U	396 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	410 U	440 U	430 U	390 U	396 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	410 UJ	440 U	430 U	390 U	396 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	410 U	440 U	430 U	390 U	396 U
NAPHTHALENE	UG/KG	100000	230000	4200000	41 J	410 U	440 U	430 U	390 U	396 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	820 U	2200 U	2200 U	1900 U	792 U
PHENANTHRENE	UG/KG	NA	NA	NA	56 J	410 U	440 U	740	390 U	396 U
PHENOL	UG/KG	50000	10000000	10000000	430 U	410 U	440 U	430 U	390 U	396 U
PYRENE	UG/KG	100000	1700000	10000000	370 J	410 U	440 U	830	390 U	396 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-418-04 7/12/2000 0 - 1.5 ft.	SB-C12-5-02 10/20/1999 0 - 2 ft.	SB-C12-8229-01 6/22/2000 0 - 2 ft.	SB-C12-8229-03 10/20/1999 0 - 2 ft.	SB-C13-1-01 11/2/1999 0 - 2 ft.	SB-C13-1-08 11/2/1999 0 - 2 ft.	SB-C13-1-11 11/2/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	390 U	NR	400 U	390 U	400 U	410 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	758 U	2000 U	766 U	2000 U	1900 U	2000 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**94.38 J**	390 U	383 U	400 U	390 U	400 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U	NR	400 U	390 U	400 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	758 U	790 U	766 U	800 U	770 U	790 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	758 U	2000 U	766 U	2000 U	1900 U	2000 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	NR	2000 U	1900 U	2000 U	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	379 U	390 U	383 UJ	400 U	390 U	400 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	379 U	390 U	262 J	400 U	390 U	400 U	410 U
BENZO(a)PYRENE	UG/KG	100000	660	660	379 U	390 U	243 J	400 U	390 U	400 U	410 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	379 U	390 U	626	400 U	390 U	400 U	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	379 U	390 U	121 J	400 U	390 U	400 U	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	379 U	390 U	169 J	400 U	390 U	400 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	379 U	NR	383 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	379 U	390 U	383 U	400 U	150 J	30 J	410 U
CHRYSENE	UG/KG	500000	9000	40000	379 U	390 U	506	400 U	390 U	400 U	410 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	379 U	390 U	383 U	400 U	45 J	57 J	85 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-418-04 7/12/2000 0 - 1.5 ft.	SB-C12-5-02 10/20/1999 0 - 2 ft.	SB-C12-8229-01 6/22/2000 0 - 2 ft.	SB-C12-8229-03 10/20/1999 0 - 2 ft.	SB-C13-1-01 11/2/1999 0 - 2 ft.	SB-C13-1-08 11/2/1999 0 - 2 ft.	SB-C13-1-11 11/2/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	379 U	390 U	383 U	400 U	390 U	400 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	37 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	379 U	390 U	399	400 U	390 U	400 U	410 U
FLUORENE	UG/KG	100000	2300000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	NR	400 U	390 U	400 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	379 UJ	390 U	383 U	400 U	390 U	400 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	379 U	390 U	117 J	400 U	390 U	400 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	379 U	390 U	383 U	400 U	390 U	400 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	758 U	2000 U	766 U	2000 U	1900 U	2000 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	379 U	390 U	383 U	400 U	390 U	400 U	410 U
PHENOL	UG/KG	50000	10000000	10000000	379 U	390 U	383 U	400 U	390 U	400 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	379 U	390 U	427	400 U	390 U	400 U	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-133-03 7/6/2000 0 - 2 ft.	SB-C13-133-05 11/4/1999 0 - 2 ft.	SB-C13-2-01 10/29/1999 0 - 2 ft.	SB-C13-2-02 4/18/2000 0 - 2 ft.	SB-C13-2-03 10/29/1999 0 - 2 ft.	SB-C13-2-04 4/18/2000 0 - 2 ft.	SB-C13-2-05 4/18/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	442 U	390 UJ	390 U	410 U	510 U	400 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	390 U	390 U	NR	510 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	884 U	2000 U	2000 U	810 U	2500 U	790 U	800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U	390 U	410 U	510 U	400 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	884 UJ	780 U	780 U	810 U	1000 U	790 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	884 U	2000 U	2000 U	810 U	2500 U	790 U	800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	2000 U	810 U	2500 U	790 U	800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	442 U	27 J	28 J	410 U	510 U	400 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	442 UJ	390 U	390 U	410 U	510 U	400 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	133 J	130 J	110 J	410 U	510 U	400 U	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	136 J	98 J	130 J	410 U	510 U	400 U	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	172 J	140 J	130 J	410 U	510 U	400 U	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	99.5 J	87 J	390 U	410 U	510 U	400 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	442 U	390 U	46 J	410 U	510 U	400 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	442 U	NR	NR	410 U	NR	400 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	26.1 J	390 U	44 J	410 U	26 J	400 U	400 U
CHRYSENE	UG/KG	500000	9000	40000	129 J	83 J	78 J	410 U	510 U	400 U	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-133-03 7/6/2000 0 - 2 ft.	SB-C13-133-05 11/4/1999 0 - 2 ft.	SB-C13-2-01 10/29/1999 0 - 2 ft.	SB-C13-2-02 4/18/2000 0 - 2 ft.	SB-C13-2-03 10/29/1999 0 - 2 ft.	SB-C13-2-04 4/18/2000 0 - 2 ft.	SB-C13-2-05 4/18/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	442 U	390 U	390 U	410 U	510 U	400 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	442 U	390 U	41 J	410 U	510 U	400 U	51 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 J	190 J	170 J	410 U	510 U	400 U	400 U
FLUORENE	UG/KG	100000	2300000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	390 U	410 U	510 U	400 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	442 UJ	390 UJ	390 U	410 U	510 U	400 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	85.8 J	390 U	75 J	410 U	510 U	400 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	442 U	390 U	390 U	410 U	510 U	400 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	442 U	390 U	390 U	410 U	510 U	400 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	390 U	390 U	410 U	510 U	400 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	884 U	2000 U	2000 U	810 U	2500 U	790 U	800 U
PHENANTHRENE	UG/KG	NA	NA	NA	99.9 J	54 J	99 J	410 U	510 U	400 U	400 U
PHENOL	UG/KG	50000	10000000	10000000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	207 J	220 J	180 J	410 U	510 U	400 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-06 4/18/2000 0 - 2 ft.	SB-C13-2-07 4/18/2000 0 - 2 ft.	SB-C13-2-08 4/18/2000 0 - 2 ft.	SB-C13-2-09 10/29/1999 0 - 2 ft.	SB-C13-2-10 10/29/1999 0 - 2 ft.	SB-C13-2-11 4/18/2000 0 - 2 ft.	SB-C13-2-12 4/18/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	400 U	4000 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	830 U	810 U	2000 U	20000 U	800 U	820 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	830 U	810 U	790 U	7900 U	800 U	820 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	830 U	810 U	2000 U	20000 U	800 U	820 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 U	830 U	810 U	2000 U	20000 U	800 U	820 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 UJ	400 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	420 U	410 U	NR	NR	400 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	20 J	410 U	400 U	4000 U	400 U	410 U
CHRYSENE	UG/KG	500000	9000	40000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	420 U	130 J	400 U	370 J	81 J	150 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-06 4/18/2000 0 - 2 ft.	SB-C13-2-07 4/18/2000 0 - 2 ft.	SB-C13-2-08 4/18/2000 0 - 2 ft.	SB-C13-2-09 10/29/1999 0 - 2 ft.	SB-C13-2-10 10/29/1999 0 - 2 ft.	SB-C13-2-11 4/18/2000 0 - 2 ft.	SB-C13-2-12 4/18/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	48 J	420 U	55 J	400 U	1100 J	400 U	120 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	420 U	410 U	400 U	910 J	400 U	220 J
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	830 U	810 U	2000 U	20000 U	800 U	820 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	420 U	410 U	400 U	4000 U	400 U	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-13 4/18/2000 0 - 2 ft.	SB-C13-2-14 10/29/1999 0 - 2 ft.	SB-C13-2-15 4/18/2000 0 - 1.5 ft.	SB-C13-2-16 4/18/2000 0 - 2 ft.	SB-C13-2-17 4/18/2000 0 - 2 ft.	SB-C13-2-18 4/18/2000 0 - 2 ft.	SB-C13-2-19 4/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	4100 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	20000 U	810 U	790 U	810 U	810 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	8100 U	810 U	790 U	810 U	810 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	20000 U	810 U	790 U	810 U	810 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	20000 U	810 U	790 U	810 U	810 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	4100 UJ	410 U	400 U	410 U	410 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	4100 U	59 J	400 U	410 U	410 U	38 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	4100 U	61 J	400 U	410 U	410 U	31 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	NR	410 U	400 U	410 U	410 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	4100 U	43 J	400 U	410 U	24 J	390 U
CHRYSENE	UG/KG	500000	9000	40000	420 U	4100 U	41 J	400 U	410 U	410 U	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	100 J	4100 U	160 J	400 U	410 U	78 J	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-13 4/18/2000 0 - 2 ft.	SB-C13-2-14 10/29/1999 0 - 2 ft.	SB-C13-2-15 4/18/2000 0 - 1.5 ft.	SB-C13-2-16 4/18/2000 0 - 2 ft.	SB-C13-2-17 4/18/2000 0 - 2 ft.	SB-C13-2-18 4/18/2000 0 - 2 ft.	SB-C13-2-19 4/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	480 J	110 J	400 U	410 U	110 J	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	4100 U	80 J	400 U	410 U	410 U	390 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	890 J	100 J	400 U	410 U	210 J	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	20000 U	810 U	790 U	810 U	810 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
PHENOL	UG/KG	50000	10000000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	4100 U	410 U	400 U	410 U	410 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-20 4/18/2000 0 - 2 ft.	SB-C13-262B-01 11/1/1999 0 - 2 ft.	SB-C13-262B-05 11/1/1999 0 - 2 ft.	SB-C13-263C-01 11/1/1999 0 - 2 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-C13-3-02 11/4/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	350 U	350 U	350 U	7400 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	350 U	350 U	350 U	7400 U	450 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	350 U	350 U	350 U	7400 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	350 U	350 U	350 U	7400 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	1700 U	1800 U	1800 U	37000 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	350 U	350 U	350 U	7400 U	450 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	350 U	350 U	350 U	7400 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	690 U	710 U	710 U	15000 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	1700 U	1800 U	1800 U	37000 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	1700 U	1800 U	1800 U	37000 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	350 U	350 U	350 U	1200 J	450 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	350 U	350 U	350 U	**13000**	450 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	350 U	350 U	350 U	**9700**	450 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	350 U	350 U	350 U	**14000**	450 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	6100 J	450 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	350 U	350 U	350 U	**4500 J**	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	350 U	350 U	350 U	7400 U	450 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	41 J	350 U	32 J	7400 U	450 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	350 U	350 U	350 U	**9900**	450 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	110 J	110 J	350 U	7400 U	450 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-20 4/18/2000 0 - 2 ft.	SB-C13-262B-01 11/1/1999 0 - 2 ft.	SB-C13-262B-05 11/1/1999 0 - 2 ft.	SB-C13-263C-01 11/1/1999 0 - 2 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-C13-3-02 11/4/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	350 U	350 U	350 U	**2200 J**	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	120 J	350 U	350 U	350 U	7400 U	450 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	350 U	350 U	350 U	17000	450 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	350 U	350 U	350 U	7400 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	350 U	350 U	350 U	7400 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	350 U	350 U	350 U	7400 U	450 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	350 U	350 U	350 U	7400 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	350 U	350 U	350 U	**6000 J**	450 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	350 U	350 U	350 U	7400 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	7400 U	450 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	350 U	350 U	350 U	7400 U	450 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	350 U	350 U	350 U	7400 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	1700 U	1800 U	1800 U	37000 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	350 U	350 U	350 U	4800 J	450 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	350 U	350 U	350 U	7400 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	350 U	350 U	350 U	13000	450 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-742-01 10/29/1999 0 - 2 ft.	SB-C13-742-05 10/29/1999 0 - 2 ft.	SB-C14-1-03 7/6/2000 0 - 1 ft.	SB-C14-1-05 11/4/1999 0 - 2 ft.	SB-C14-121-03 11/3/1999 0 - 2 ft.	SB-C14-121-04 7/6/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	390 U	375 U	360 U	410 U	392 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	390 U	NR	360 U	410 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	390 U	375 U	360 U	410 U	392 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	390 U	375 U	360 U	410 U	392 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2000 U	751 U	1800 U	2000 U	784 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	390 U	**190 J**	360 U	410 U	392 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	390 U	375 U	360 U	410 U	392 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	390 U	NR	360 U	410 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	780 U	751 U	720 U	810 U	784 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	751 U	1800 U	2000 U	784 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	NR	1800 U	2000 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 UJ	392 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	390 U	375 U	360 U	410 U	392 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	390 U	375 U	360 U	410 U	392 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	390 U	375 U	360 U	410 U	392 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 UJ	392 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	390 U	375 U	360 U	410 U	392 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	390 U	375 U	360 U	410 U	392 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	375 U	NR	NR	392 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	26 J	38 J	375 U	360 U	410 U	392 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	390 U	375 U	360 U	410 U	392 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	390 U	375 U	360 U	410 U	105 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-742-01 10/29/1999 0 - 2 ft.	SB-C13-742-05 10/29/1999 0 - 2 ft.	SB-C14-1-03 7/6/2000 0 - 1 ft.	SB-C14-1-05 11/4/1999 0 - 2 ft.	SB-C14-121-03 11/3/1999 0 - 2 ft.	SB-C14-121-04 7/6/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	390 U	375 U	360 U	410 UJ	392 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	390 U	NR	360 U	410 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	390 U	375 U	360 U	410 U	392 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	390 U	375 U	360 U	410 U	392 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	390 U	375 U	360 U	410 U	392 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	390 U	375 U	360 U	410 UJ	392 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	390 U	375 U	360 U	410 U	392 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	390 U	NR	360 U	410 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	390 U	375 U	360 U	410 U	392 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2000 U	751 U	1800 U	2000 U	784 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	390 U	375 U	360 U	410 U	392 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	390 U	375 U	360 U	410 U	392 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	390 U	375 U	360 U	410 U	392 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C14-125-01 11/3/1999 0 - 2 ft.	SB-C14-125-04 7/6/2000 0 - 1.5 ft.	SB-C14-2-03 11/3/1999 0 - 2 ft.	SB-C14-4-01 11/3/1999 0 - 2 ft.	SB-C14-4-03 7/6/2000 0 - 2 ft.	SB-D11-208A-01 11/4/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 UJ	429000 U	460 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 UJ	NR	410 UJ	400 U	NR	460 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 UJ	380 U	410 U	400 U	429000 U	460 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 UJ	761 U	2100 UJ	2000 U	859000 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 UJ	380 U	410 UJ	400 U	**6555000 J**	460 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 UJ	NR	410 UJ	400 U	NR	460 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 UJ	761 U	820 UJ	800 U	859000 U	920 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 UJ	761 U	2100 UJ	2000 U	859000 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	NR	2100 UJ	2000 U	NR	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 UJ	429000 U	460 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZO(a)PYRENE	UG/KG	100000	660	660	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	380 U	NR	NR	429000 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
CHRYSENE	UG/KG	500000	9000	40000	390 UJ	380 U	410 UJ	400 U	429000 U	51 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C14-125-01 11/3/1999 0 - 2 ft.	SB-C14-125-04 7/6/2000 0 - 1.5 ft.	SB-C14-2-03 11/3/1999 0 - 2 ft.	SB-C14-4-01 11/3/1999 0 - 2 ft.	SB-C14-4-03 7/6/2000 0 - 2 ft.	SB-D11-208A-01 11/4/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 UJ	380 U	410 U	400 U	429000 U	460 U
FLUORENE	UG/KG	100000	2300000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	NR	410 UJ	400 U	NR	460 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	380 U	410 UJ	400 U	429000 U	460 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 UJ	NR	410 UJ	400 U	NR	460 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 UJ	761 U	2100 UJ	2000 U	859000 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 UJ	380 U	410 UJ	400 U	429000 U	31 J
PHENOL	UG/KG	50000	10000000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U
PYRENE	UG/KG	100000	1700000	10000000	390 UJ	380 U	410 UJ	400 U	429000 U	460 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-7-01 10/27/1999 0 - 2 ft.	SB-D11-7-02 6/22/2000 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D11-B232-07 10/29/1999 0 - 2 ft.	SB-D12-1-01 6/22/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	630 U	431 U	547 U	550 U	423 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 UJ	630 U	431 UJ	547 UJ	550 U	423 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	630 U	NR	NR	550 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	630 U	431 U	547 U	550 U	423 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	630 U	431 U	547 U	550 U	423 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	630 U	431 UJ	547 UJ	550 U	423 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	3100 U	862 U	1094 U	2700 U	845 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**190 J**	630 U	431 U	**5483 J**	550 U	423 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	630 U	431 U	547 U	550 U	423 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	630 U	NR	NR	550 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	860 U	1300 U	862 U	1094 U	1100 U	845 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2200 U	3100 U	862 U	1094 U	2700 U	845 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	630 U	431 UJ	547 UJ	550 U	423 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2200 U	3100 U	NR	NR	2700 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	630 U	431 UJ	547 UJ	550 UJ	423 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	88 J	630 U	431 U	97.4 J	550 U	423 U
BENZO(a)PYRENE	UG/KG	100000	660	660	77 J	630 U	431 U	80.43 J	550 U	423 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	130 J	630 U	431 U	112 J	550 U	423 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	630 U	431 U	547 U	550 U	423 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	630 U	431 UJ	547 U	550 U	423 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	630 U	431 U	547 U	550 U	423 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	630 U	431 UJ	547 UJ	550 U	423 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	431 U	547 U	NR	423 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	630 U	431 U	547 U	550 U	423 U
CHRYSENE	UG/KG	500000	9000	40000	150 J	630 U	431 U	83.72 J	550 U	423 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	630 U	46.17 J	547 UJ	550 U	423 UJ
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	630 U	431 U	547 U	550 U	423 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-7-01 10/27/1999 0 - 2 ft.	SB-D11-7-02 6/22/2000 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D11-B232-07 10/29/1999 0 - 2 ft.	SB-D12-1-01 6/22/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	630 U	431 U	547 U	550 U	423 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	630 U	431 UJ	547 UJ	550 U	423 UJ
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	110 J	630 U	431 U	547 U	550 U	423 U
FLUORENE	UG/KG	100000	2300000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	630 U	NR	NR	550 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	630 U	431 U	547 U	550 U	423 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 UJ	630 U	431 U	547 U	550 U	423 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	630 U	431 UJ	547 UJ	550 U	423 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	630 U	431 U	547 U	550 U	423 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	630 U	431 U	547 U	550 U	423 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	630 U	431 UJ	547 UJ	550 U	423 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	630 U	431 U	547 U	550 U	423 U
NAPHTHALENE	UG/KG	100000	230000	4200000	76 J	630 U	431 U	547 U	550 U	423 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2200 U	3100 U	862 U	1094 U	2700 U	845 U
PHENANTHRENE	UG/KG	NA	NA	NA	220 J	630 U	431 U	547 U	550 U	423 U
PHENOL	UG/KG	50000	10000000	10000000	430 U	630 U	431 U	547 U	550 U	423 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	630 U	431 U	547 U	550 U	423 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-1-02 10/27/1999 0 - 2 ft.	SB-D12-2073-01 6/28/2000 0 - 2 ft.	SB-D12-2073-03 10/22/1999 0 - 2 ft.	SB-D12-208D-01 6/28/2000 0 - 2 ft.	SB-D12-208D-03 10/22/1999 0 - 2 ft.	SB-D12-209B-02 11/4/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	450 U	478 U	440 UJ	472 U	460 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	450 U	NR	440 UJ	NR	460 U	450 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	450 U	478 U	440 UJ	472 U	460 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	450 U	478 U	440 UJ	472 U	460 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	956 U	2200 UJ	943 U	2300 U	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	450 U	478 U	440 UJ	472 U	460 U	450 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	450 U	478 U	440 UJ	472 U	460 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	450 U	NR	440 UJ	NR	460 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	900 U	956 UJ	890 UJ	943 U	910 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 U	956 U	2200 UJ	943 U	2300 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 U	NR	2200 UJ	NR	2300 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	450 U	478 U	440 UJ	472 U	460 U	36 J
BENZIDINE	UG/KG	NA	NA	NA	450 U	478 UJ	440 UJ	472 U	460 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	450 U	478 U	440 UJ	472 U	460 U	180 J
BENZO(a)PYRENE	UG/KG	100000	660	660	450 U	478 U	26 J	472 U	460 U	150 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	450 U	478 U	440 UJ	472 U	460 U	400 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	120 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	450 U	478 U	440 UJ	472 U	460 U	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	450 U	478 U	440 UJ	472 U	460 U	450 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	478 U	NR	472 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	478 U	440 UJ	472 U	460 U	450 U
CHRYSENE	UG/KG	500000	9000	40000	450 U	478 U	440 UJ	472 U	460 U	310 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-1-02 10/27/1999 0 - 2 ft.	SB-D12-2073-01 6/28/2000 0 - 2 ft.	SB-D12-2073-03 10/22/1999 0 - 2 ft.	SB-D12-208D-01 6/28/2000 0 - 2 ft.	SB-D12-208D-03 10/22/1999 0 - 2 ft.	SB-D12-209B-02 11/4/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	450 U	478 U	440 UJ	472 U	460 U	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	450 U	478 U	440 UJ	472 U	460 U	140 J
FLUORENE	UG/KG	100000	2300000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	450 U	NR	440 UJ	NR	460 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	450 U	478 U	440 UJ	472 U	460 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	450 U	478 UJ	440 UJ	472 U	460 U	450 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	450 U	478 U	440 UJ	472 U	460 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	450 U	478 U	440 UJ	472 U	460 U	120 J
ISOPHORONE	UG/KG	50000	1100000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	450 U	478 U	440 UJ	472 U	460 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	450 U	478 UJ	440 UJ	472 U	460 U	450 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	450 U	NR	440 UJ	NR	460 U	450 U
NAPHTHALENE	UG/KG	100000	230000	4200000	450 U	478 U	440 UJ	472 U	460 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 U	956 U	2200 UJ	943 U	2300 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	450 U	478 U	440 UJ	472 U	460 U	68 J
PHENOL	UG/KG	50000	10000000	10000000	450 U	478 U	440 UJ	472 U	460 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	450 U	478 U	440 UJ	472 U	460 U	150 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-282A-05 10/27/1999 0 - 2 ft.	SB-D12-286A-04 10/22/1999 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D12-3-02 6/28/2000 0 - 2 ft.	SB-D12-3-04 11/4/1999 0 - 2 ft.	SB-D13-264A-03 6/28/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	740 UJ	400 U	460 U	895 U	500 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 UJ	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	740 U	400 U	460 U	NR	500 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	740 U	400 U	460 U	895 U	500 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	740 U	400 U	460 U	895 U	500 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	3700 U	2000 U	2300 U	1790 UJ	2500 U	819 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	740 U	400 U	**460 J**	895 U	500 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	740 U	400 U	460 U	895 U	500 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	740 U	400 U	460 U	NR	500 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1500 U	800 U	910 U	1790 U	1000 U	819 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	3700 U	2000 U	2300 U	1790 U	2500 U	819 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	740 UJ	400 U	460 U	895 U	500 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	3700 U	2000 U	2300 U	NR	2500 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	740 UJ	400 U	100 J	895 U	500 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	740 U	400 U	98 J	895 U	500 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	740 U	400 U	1300	895 U	500 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	740 U	34 J	**4000**	895 U	500 U	410 U
BENZO(a)PYRENE	UG/KG	100000	660	660	740 U	27 J	**2500 J**	895 U	500 U	410 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	740 U	400 U	**4800 J**	895 U	500 U	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	740 U	400 U	630 J	895 U	500 U	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	740 U	400 U	**1500 J**	895 U	500 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	740 U	400 U	460 U	895 U	500 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	895 U	NR	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	740 U	400 U	460 U	895 U	500 U	410 U
CHRYSENE	UG/KG	500000	9000	40000	740 U	41 J	3300	895 U	500 U	410 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	740 U	400 U	460 UJ	895 U	500 U	410 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-282A-05 10/27/1999 0 - 2 ft.	SB-D12-286A-04 10/22/1999 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D12-3-02 6/28/2000 0 - 2 ft.	SB-D12-3-04 11/4/1999 0 - 2 ft.	SB-D13-264A-03 6/28/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	740 U	400 U	240 J	895 U	500 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	740 U	400 U	9100 *D	895 U	500 U	410 U
FLUORENE	UG/KG	100000	2300000	10000000	740 U	400 U	170 J	895 U	500 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	740 U	400 U	460 U	NR	500 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	740 U	400 U	460 U	895 U	500 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	740 U	400 U	460 U	895 U	500 UJ	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	740 U	400 U	460 U	895 U	500 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	740 U	400 U	710 J	895 U	500 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	740 U	400 U	460 U	895 U	500 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	740 U	400 U	460 U	895 U	500 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	740 U	400 U	460 U	NR	500 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	740 U	400 U	72 J	895 U	500 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	3700 U	2000 U	2300 U	1790 U	2500 U	819 U
PHENANTHRENE	UG/KG	NA	NA	NA	740 U	23 J	3300	895 U	500 U	410 U
PHENOL	UG/KG	50000	10000000	10000000	740 U	400 U	460 U	895 U	500 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	740 UJ	400 U	6900	895 U	500 U	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-264A-05 11/4/1999 0 - 2 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.	SB-D13-264B-05 11/2/1999 0 - 2 ft.	SB-D13-265A-06 11/4/1999 0 - 2 ft.	SB-D13-268-01 11/3/1999 0 - 2 ft.	SB-D13-273B-02 11/2/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	490 U	410 U	440 U	440 U	460 U	480 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	490 UJ	410 U	440 U	440 UJ	460 UJ	480 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	490 U	410 U	440 U	440 U	460 U	480 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	490 U	410 U	440 U	440 U	460 U	480 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2000 U	2200 U	2200 U	2300 U	2400 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	490 U	**410 J**	440 U	440 U	460 U	480 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	490 U	410 U	440 U	440 U	460 U	480 U
2-NITROPHENOL	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	980 U	810 U	890 U	880 U	910 U	970 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2500 U	2000 U	2200 U	2200 U	2300 U	2400 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2500 U	2000 U	2200 U	2200 U	2300 U	2400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
ANTHRACENE	UG/KG	100000	10000000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
BENZIDINE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 UJ	480 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	86 J	51 J	440 U	120 J	160 J	480 U
BENZO(a)PYRENE	UG/KG	100000	660	660	75 J	78 J	440 U	100 J	410 J	480 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	88 J	180 J	440 U	170 J	250 J	480 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	490 U	120 J	440 U	440 U	620	480 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	490 U	410 U	440 U	440 U	460 U	480 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	490 U	410 U	440 U	440 U	460 U	480 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	490 U	410 U	440 U	440 U	460 U	31 J
CHRYSENE	UG/KG	500000	9000	40000	89 J	120 J	440 U	120 J	200 J	480 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	490 U	39 J	37 J	440 U	460 U	54 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-264A-05 11/4/1999 0 - 2 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.	SB-D13-264B-05 11/2/1999 0 - 2 ft.	SB-D13-265A-06 11/4/1999 0 - 2 ft.	SB-D13-268-01 11/3/1999 0 - 2 ft.	SB-D13-273B-02 11/2/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	490 U	410 U	440 U	440 U	420 J	480 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	490 U	36 J	440 U	440 U	460 U	53 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	96 J	410 U	440 U	170 J	460 U	480 U
FLUORENE	UG/KG	100000	2300000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	490 U	410 U	440 U	440 U	460 U	480 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	490 U	410 U	440 U	440 UJ	460 U	480 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	490 UJ	410 U	440 U	440 U	460 U	480 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	490 U	410 U	440 U	440 U	460 U	480 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	490 U	100 J	440 U	440 U	320 J	480 U
ISOPHORONE	UG/KG	50000	1100000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	490 U	410 U	440 U	440 U	460 U	480 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	490 U	410 U	440 U	440 U	460 U	480 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	490 U	410 U	440 U	440 U	460 U	480 U
NAPHTHALENE	UG/KG	100000	230000	4200000	490 U	410 U	440 U	440 U	460 U	480 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2500 U	2000 U	2200 U	2200 U	2300 U	2400 U
PHENANTHRENE	UG/KG	NA	NA	NA	59 J	57 J	440 U	66 J	460 U	41 J
PHENOL	UG/KG	50000	10000000	10000000	490 U	410 U	440 U	440 U	460 U	480 U
PYRENE	UG/KG	100000	1700000	10000000	140 J	410 U	440 U	170 J	460 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-273B-04 7/6/2000 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.	SB-D13-3-04 11/3/1999 0 - 2 ft.	SB-D13-303F-02 11/4/1999 0 - 2 ft.	SB-D14-120-03 7/6/2000 0 - 2 ft.	SB-D14-120-04 11/3/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	373 U	416 U	430 U	720 U	391 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 UJ	391 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	430 UJ	720 U	NR	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	373 U	416 U	430 U	720 U	391 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	373 U	416 U	430 U	720 U	391 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	746 U	831 UJ	2100 UJ	3600 U	783 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	373 U	416 U	430 U	720 U	**83 J**	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 U	391 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	373 U	416 U	430 U	720 U	391 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	430 U	720 U	NR	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	746 UJ	831 U	850 U	1440 U	783 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	746 U	831 U	2100 UJ	3600 U	783 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 U	391 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 U	391 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	2100 U	3600 U	NR	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	373 U	416 U	430 U	720 U	391 U	400 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	320 J	416 U	430 U	720 U	391 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	661	416 U	430 U	720 U	391 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 U	391 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**2170**	416 U	430 U	80 J	79 J	37 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**1780**	416 U	430 U	61 J	77.9 J	29 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2380**	416 U	430 U	720 U	116 J	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	863	416 U	430 U	720 U	391 U	400 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	800	416 U	430 U	720 U	391 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	373 U	416 U	430 U	720 U	391 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	373 U	416 U	430 U	720 U	391 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	373 U	416 U	NR	NR	391 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	373 U	416 U	430 U	720 U	83.3 J	400 U
CHRYSENE	UG/KG	500000	9000	40000	1760	416 U	430 U	72 J	154 J	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	373 U	416 U	430 U	720 U	140 J	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-273B-04 7/6/2000 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.	SB-D13-3-04 11/3/1999 0 - 2 ft.	SB-D13-303F-02 11/4/1999 0 - 2 ft.	SB-D14-120-03 7/6/2000 0 - 2 ft.	SB-D14-120-04 11/3/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	373 U	416 U	430 U	720 U	391 U	400 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3390	416 U	430 U	140 J	108 J	400 U
FLUORENE	UG/KG	100000	2300000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	430 U	720 U	NR	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	373 U	416 U	430 U	720 UJ	391 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	373 UJ	416 U	430 UJ	720 U	391 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	373 U	416 U	430 U	720 U	391 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**905**	416 U	430 U	720 U	391 U	400 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	373 U	416 U	430 U	720 U	391 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	373 U	416 U	430 UJ	720 U	391 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	430 U	720 U	NR	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	373 U	416 U	430 U	720 U	391 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	746 U	831 U	2100 U	3600 U	783 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	645	416 U	430 U	720 U	111 J	33 J
PHENOL	UG/KG	50000	10000000	10000000	373 U	416 U	430 U	720 U	391 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	1880	416 U	430 U	720 U	173 J	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-129-03 7/6/2000 0 - 2 ft.	SB-D14-129-05 11/3/1999 0 - 2 ft.	SB-D14-204B-01 10/26/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-360-01 7/6/2000 0 - 2 ft.	SB-D14-360-03 11/3/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	478 UJ	480 U	440 U	410 U	399 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	478 U	480 U	440 U	410 U	399 U	420 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	480 UJ	440 U	410 U	NR	420 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	478 UJ	480 U	440 U	410 U	399 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	478 UJ	480 U	440 U	410 U	399 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	478 U	480 U	440 U	410 U	399 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	957 U	2400 UJ	2200 U	2000 U	798 U	2100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**89.4 J**	480 U	440 U	410 U	399 U	**180 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	478 UJ	480 U	440 U	410 U	399 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	478 UJ	480 U	440 U	410 U	399 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	480 U	440 U	410 U	NR	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	957 UJ	950 U	880 U	820 U	798 UJ	840 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	957 UJ	2400 UJ	2200 U	2000 U	798 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	478 U	480 U	440 U	410 U	399 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	478 UJ	480 U	440 U	410 U	399 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2400 U	2200 U	2000 UJ	NR	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	478 U	480 U	21 J	410 U	399 U	24 J
ANTHRACENE	UG/KG	100000	10000000	10000000	478 U	480 U	40 J	24 J	399 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	478 UJ	480 U	440 U	410 UJ	399 UJ	420 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	478 U	480 U	260 J	120 J	399 U	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	478 U	480 U	240 J	120 J	399 U	130 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	478 U	480 U	440 J	270 J	399 U	290 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	478 U	480 U	120 J	110 J	399 U	92 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	478 U	480 U	160 J	110 J	399 U	86 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	478 U	480 U	440 U	410 U	399 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	478 UJ	480 U	440 U	410 U	399 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	478 UJ	480 U	440 U	410 U	399 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	478 UJ	NR	NR	NR	399 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	478 U	480 U	440 U	410 U	399 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	478 U	480 U	300 J	200 J	78.6 J	200 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	478 U	480 U	440 U	58 J	399 U	420 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	478 U	480 U	440 U	410 U	399 U	420 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-129-03 7/6/2000 0 - 2 ft.	SB-D14-129-05 11/3/1999 0 - 2 ft.	SB-D14-204B-01 10/26/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-360-01 7/6/2000 0 - 2 ft.	SB-D14-360-03 11/3/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	478 U	480 U	440 U	410 U	399 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	478 U	480 U	350 J	220 J	399 U	210 J
FLUORENE	UG/KG	100000	2300000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	480 U	440 U	410 U	NR	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	478 UJ	480 U	440 U	410 U	399 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	478 UJ	480 U	440 U	410 U	399 UJ	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	478 UJ	480 U	440 U	410 U	399 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	478 U	480 U	120 J	100 J	399 U	97 J
ISOPHORONE	UG/KG	50000	1100000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	478 UJ	480 U	440 U	410 U	399 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	478 U	480 UJ	440 U	410 U	399 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	480 U	440 U	410 U	NR	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	478 UJ	480 U	440 U	410 U	399 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	957 U	2400 U	2200 U	2000 U	798 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	478 U	480 U	140 J	110 J	90.2 J	65 J
PHENOL	UG/KG	50000	10000000	10000000	478 UJ	480 U	440 U	410 U	399 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	478 U	480 U	450	300 J	399 U	240 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-6-01 10/26/1999 0 - 2 ft.	SB-D14-6-02 7/6/2000 0 - 2 ft.	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E10-1-13 11/4/1999 0 - 2 ft.	SB-E10-2-03 10/28/1999 0 - 2 ft.	SB-E10-2-04 6/22/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 UJ	410 UJ	390 U	409 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	460 UJ	NR	400 U	540 U	410 U	390 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 UJ	801 U	2000 U	2700 U	2100 U	2000 U	818 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	460 UJ	**95.4 J**	**150 J**	**540 J**	**170 J**	390 U	409 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 UJ	401 U	400 U	540 U	410 U	390 UJ	409 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 UJ	NR	400 U	540 U	410 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	920 UJ	801 UJ	800 U	1080 U	820 U	780 U	818 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 UJ	801 U	2000 U	2700 U	2100 U	2000 U	818 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 UJ	409 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 UJ	NR	2000 U	2700 U	2100 U	2000 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 UJ	409 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 UJ	401 U	22 J	540 U	410 U	390 U	409 U
ANTHRACENE	UG/KG	100000	10000000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
BENZIDINE	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 UJ	401 U	170 J	45 J	72 J	390 U	409 U
BENZO(a)PYRENE	UG/KG	100000	660	660	460 UJ	401 U	180 J	540 U	61 J	390 U	409 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 UJ	401 U	250 J	540 U	110 J	390 U	409 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	460 UJ	401 U	120 J	540 U	410 U	390 U	409 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 UJ	401 U	130 J	540 U	410 U	390 U	409 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	401 U	NR	NR	NR	NR	409 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 UJ	401 U	30 J	540 U	410 U	390 U	409 UJ
CHRYSENE	UG/KG	500000	9000	40000	460 UJ	401 U	170 J	51 J	93 J	390 U	409 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	460 UJ	401 U	230 J	540 U	410 U	390 U	114 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-6-01 10/26/1999 0 - 2 ft.	SB-D14-6-02 7/6/2000 0 - 2 ft.	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E10-1-13 11/4/1999 0 - 2 ft.	SB-E10-2-03 10/28/1999 0 - 2 ft.	SB-E10-2-04 6/22/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 UJ
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 UJ	401 U	270 J	540 U	98 J	390 U	409 U
FLUORENE	UG/KG	100000	2300000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 UJ	NR	400 U	540 U	410 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 UJ	401 UJ	400 U	540 UJ	410 UJ	390 U	409 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 UJ	401 U	110 J	540 U	410 U	390 U	409 U
ISOPHORONE	UG/KG	50000	1100000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 UJ	401 U	400 U	540 U	410 U	390 UJ	409 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 UJ	401 U	400 U	540 U	410 U	390 U	409 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 UJ	NR	400 U	540 U	410 U	390 U	409 U
NAPHTHALENE	UG/KG	100000	230000	4200000	460 UJ	401 U	400 U	540 U	410 U	390 U	409 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 UJ	801 U	2000 U	2700 U	2100 U	2000 U	818 U
PHENANTHRENE	UG/KG	NA	NA	NA	460 UJ	401 U	63 J	51 J	64 J	390 U	409 U
PHENOL	UG/KG	50000	10000000	10000000	460 UJ	401 U	400 U	540 U	410 U	390 UJ	409 U
PYRENE	UG/KG	100000	1700000	10000000	460 UJ	401 U	230 J	540 U	410 U	390 U	409 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-3-02 10/28/1999 0 - 2 ft.	SB-E11-1-01 10/25/1999 0 - 2 ft.	SB-E11-11-02 7/12/2000 0 - 2 ft.	SB-E11-12-04 10/25/1999 0 - 2 ft.	SB-E11-2-02 6/22/2000 0 - 1.5 ft.	SB-E11-2-03 10/20/1999 0 - 1.5 ft.	SB-E11-2064-01 10/28/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	400 U	NR	440 UJ	NR	390 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2000 U	887 UJ	2200 UJ	829 U	1900 U	1950 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	400 U	NR	440 UJ	NR	390 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	800 U	887 U	880 UJ	829 U	780 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	887 U	2200 UJ	829 U	1900 U	1950 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	NR	2200 UJ	NR	1900 U	1950 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	48 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	22 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	170 J
BENZIDINE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	400 U	443 U	440 UJ	415 U	38 J	320 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	400 U	443 U	440 UJ	415 U	36 J	230 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	400 U	443 U	440 UJ	415 U	62 J	440
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	140 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	400 U	443 U	440 UJ	415 U	390 U	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	443 U	NR	415 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	20 J	443 U	77 J	415 U	390 U	150 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	400 U	443 U	440 UJ	415 U	73 J	350 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	400 U	443 U	440 UJ	2140 J	880	830 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-3-02 10/28/1999 0 - 2 ft.	SB-E11-1-01 10/25/1999 0 - 2 ft.	SB-E11-11-02 7/12/2000 0 - 2 ft.	SB-E11-12-04 10/25/1999 0 - 2 ft.	SB-E11-2-02 6/22/2000 0 - 1.5 ft.	SB-E11-2-03 10/20/1999 0 - 1.5 ft.	SB-E11-2064-01 10/28/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	400 U	443 U	440 UJ	219 J	98 J	8000 *D
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	530 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	43 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	400 U	NR	440 UJ	NR	390 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	400 U	443 UJ	440 UJ	415 U	390 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	400 U	443 U	440 UJ	415 U	390 U	130 J
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	400 U	443 U	440 UJ	415 UJ	390 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	400 U	443 U	440 UJ	415 U	150 J	360 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2000 U	887 U	2200 UJ	829 U	1900 U	1950 U
PHENANTHRENE	UG/KG	NA	NA	NA	28 J	400 U	443 U	440 UJ	415 U	43 J	250 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	400 U	443 U	440 UJ	415 U	390 U	440

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-2064-02 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E11-207B-04 11/9/1999 0.5 - 2.5 ft.	SB-E11-2083-03 10/20/1999 0 - 2 ft.	SB-E11-2083-04 11/30/1999 0 - 2 ft.	SB-E11-218B-02 7/12/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	460 U	525 U	440 U	390 U	396 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	460 U	525 U	440 U	390 U	396 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	460 U	525 U	440 U	390 U	396 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	460 U	525 U	440 U	390 U	396 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	460 U	NR	440 U	390 U	396 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	460 U	NR	440 U	390 U	396 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	460 U	NR	440 U	390 U	396 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	NR	2200 U	2000 UJ	791 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	460 U	NR	440 U	390 U	396 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	460 U	NR	440 U	390 U	396 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	860 U	920 U	NR	880 U	780 U	791 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 U	2300 U	NR	2200 U	2000 U	791 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	460 U	NR	440 U	390 U	396 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	2300 U	NR	2200 U	2000 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	460 U	NR	440 U	390 U	396 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	460 U	NR	440 U	390 U	396 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 U	53 J	NR	440 U	38 J	43.51 J
BENZO(a)PYRENE	UG/KG	100000	660	660	430 U	65 J	NR	440 U	32 J	396 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	430 U	130 J	NR	440 U	390 U	396 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	460 U	NR	440 U	390 U	396 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	460 U	NR	440 U	390 U	396 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	460 U	NR	440 U	390 U	396 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	396 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	47 J	100 J	NR	71 J	390 U	20.97 J
CHRYSENE	UG/KG	500000	9000	40000	430 U	76 J	NR	440 U	57 J	74.37 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	120 J	240 J	NR	46 J	47 J	396 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	460 U	NR	440 U	390 UJ	396 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-2064-02 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E11-207B-04 11/9/1999 0.5 - 2.5 ft.	SB-E11-2083-03 10/20/1999 0 - 2 ft.	SB-E11-2083-04 11/30/1999 0 - 2 ft.	SB-E11-218B-02 7/12/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	460 U	NR	440 U	390 U	396 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	58 J	120 J	NR	23000	170 J	396 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	460 U	NR	440 U	390 U	396 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	430 U	460 U	NR	440 U	69 J	106 J
FLUORENE	UG/KG	100000	2300000	10000000	430 U	460 U	NR	440 U	390 U	396 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	460 U	NR	440 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	460 U	525 U	440 U	390 U	396 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	460 U	NR	440 U	390 U	396 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	460 U	NR	440 U	390 U	396 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	460 U	NR	440 U	390 U	396 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	460 U	NR	440 U	390 U	396 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	460 U	NR	440 U	390 U	396 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	390 U	396 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	79 J	NR	170 J	390 U	396 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	460 U	169 U	440 U	390 U	396 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	2300 U	NR	2200 U	2000 U	791 U
PHENANTHRENE	UG/KG	NA	NA	NA	430 U	460 U	NR	440 U	47 J	58.94 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	460 U	NR	440 U	390 U	396 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	460 U	NR	440 U	390 U	396 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-4-01 9/27/2000 0 - 2 ft.	SB-E11-4-02 7/12/2000 0 - 2 ft.	SB-E11-5-01 7/12/2000 0 - 2 ft.	SB-E11-52-04 7/12/2000 0 - 2 ft.	SB-E11-6-02 7/14/2000 0 - 2 ft.	SB-E11-6-04 7/14/2000 0 - 1.5 ft.	SB-E11-7-02 7/12/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	693 U	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1390 UJ	1019 UJ	950 UJ	763 UJ	767 U	783 U	875 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
2-NITROPHENOL	UG/KG	NA	NA	NA	693 U	NR	NR	NR	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1390 U	1019 U	950 U	763 U	767 U	783 U	875 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1390 UJ	1019 U	950 U	763 U	767 U	783 U	875 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1390 UJ	NR	NR	NR	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
ANTHRACENE	UG/KG	100000	10000000	10000000	693 U	510 U	475 U	78.26 J	383 U	392 U	438 U
BENZIDINE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	693 U	510 U	475 U	437	383 U	79.52 J	438 U
BENZO(a)PYRENE	UG/KG	100000	660	660	693 U	510 U	475 U	425	383 U	55.23 J	438 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	693 U	510 U	475 U	**1050**	383 U	119 J	438 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	693 U	510 U	475 U	251 J	383 U	392 U	438 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	693 U	510 U	475 U	389	383 U	392 U	438 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	510 U	475 U	382 U	383 U	392 U	438 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	38.8 J	510 U	475 U	382 U	28.8 J	392 U	438 U
CHRYSENE	UG/KG	500000	9000	40000	693 U	510 U	475 U	648	108 J	72.08 J	438 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	58.21 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-4-01 9/27/2000 0 - 2 ft.	SB-E11-4-02 7/12/2000 0 - 2 ft.	SB-E11-5-01 7/12/2000 0 - 2 ft.	SB-E11-52-04 7/12/2000 0 - 2 ft.	SB-E11-6-02 7/14/2000 0 - 2 ft.	SB-E11-6-04 7/14/2000 0 - 1.5 ft.	SB-E11-7-02 7/12/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	693 U	510 U	475 U	382 U	383 U	392 U	438 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	693 U	510 U	475 U	568	383 U	392 U	438 U
FLUORENE	UG/KG	100000	2300000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	693 U	NR	NR	NR	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	693 U	510 UJ	475 UJ	382 UJ	383 U	392 U	438 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	693 U	510 U	475 U	261 J	383 U	392 U	438 U
ISOPHORONE	UG/KG	50000	1100000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	693 U	510 U	475 U	382 U	61.3 J	392 U	438 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	693 U	510 U	475 U	382 U	383 U	392 U	438 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	693 U	510 U	475 U	382 U	NR	392 U	438 U
NAPHTHALENE	UG/KG	100000	230000	4200000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1390 U	1019 U	950 U	763 U	767 U	783 U	875 U
PHENANTHRENE	UG/KG	NA	NA	NA	693 U	510 U	475 U	138 J	67.1 J	86.18 J	438 U
PHENOL	UG/KG	50000	10000000	10000000	693 U	510 U	475 U	382 U	383 U	392 U	438 U
PYRENE	UG/KG	100000	1700000	10000000	693 U	510 U	475 U	422	92 J	392 U	438 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-8228-02 10/19/1999 0 - 2 ft.	SB-E11-8228-05 6/22/2000 0 - 1.5 ft.	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-130E-02 10/20/1999 0 - 2 ft.	SB-E12-130E-03 11/30/1999 0 - 2 ft.	SB-E12-2081-04 10/20/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	443 U	480 U	450 U	440 U	460 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	443 U	480 U	450 U	440 U	460 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	NR	480 U	450 U	440 U	460 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	443 U	480 U	450 U	440 U	460 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	443 U	480 U	450 U	440 U	460 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	886 U	2400 U	2300 U	2200 UJ	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	443 U	480 U	450 U	440 U	460 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	443 U	480 U	450 U	440 U	460 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	443 U	480 U	450 U	440 U	460 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	NR	480 U	450 U	440 U	460 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	886 U	960 U	900 U	890 U	920 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	886 U	2400 U	2300 U	2200 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	443 U	480 U	450 U	440 U	460 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	443 U	480 U	450 U	440 U	460 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	NR	2400 U	2300 U	2200 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	443 U	290 J	450 U	440 U	460 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	443 U	59 J	450 U	440 U	460 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	443 U	530	450 U	440 U	460 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	443 UJ	480 U	450 U	440 U	460 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	443 U	**1000**	450 U	440 U	460 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	443 U	**730**	450 U	440 U	460 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	443 U	**1100**	450 U	440 U	460 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	443 U	330 J	450 U	440 U	460 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	443 U	440 J	450 U	440 U	460 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	443 U	480 U	450 U	440 U	460 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	443 U	480 U	450 U	440 U	460 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	443 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	443 UJ	29 J	450 U	440 U	460 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	443 U	890	450 U	440 U	460 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	37 J	443 UJ	30 J	450 U	440 U	460 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	443 U	480 U	450 U	440 UJ	460 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-8228-02 10/19/1999 0 - 2 ft.	SB-E11-8228-05 6/22/2000 0 - 1.5 ft.	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-130E-02 10/20/1999 0 - 2 ft.	SB-E12-130E-03 11/30/1999 0 - 2 ft.	SB-E12-2081-04 10/20/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	443 U	130 J	450 U	440 U	460 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	443 UJ	480 U	450 U	440 U	460 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	443 U	2000	450 U	440 U	460 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	443 U	270 J	450 U	440 U	460 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	NR	480 U	450 U	440 U	460 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	443 U	480 U	450 U	440 U	460 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	443 UJ	480 U	450 U	440 U	460 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	443 U	480 U	450 U	440 U	460 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	443 U	330 J	450 U	440 U	460 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	443 U	480 U	450 U	440 U	460 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	443 UJ	480 U	450 U	440 U	460 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	443 U	480 U	450 U	440 U	460 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	443 U	76 J	450 U	440 U	460 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	886 U	2400 U	2300 U	2200 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	443 U	2500	450 U	440 U	460 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	443 U	480 U	450 U	440 U	460 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	443 U	1700	450 U	440 U	460 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-2081-05 11/30/1999 0 - 2 ft.	SB-E12-286B-02 10/19/1999 0 - 2 ft.	SB-E12-286D-05 10/25/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.	SB-E12-298B-02 6/22/2000 0 - 2 ft.	SB-E12-298B-03 10/19/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	500 U	430 U	391 U	461 U	510 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 UJ	510 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	NR	510 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	500 U	430 U	391 U	461 U	510 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	500 U	430 U	391 U	461 U	510 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	500 U	430 U	391 U	461 UJ	510 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2500 U	2100 U	781 U	922 U	2500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	500 U	430 U	391 U	461 U	510 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 U	510 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	500 U	430 U	391 U	461 U	510 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	NR	510 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	1000 U	860 U	781 U	922 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2500 U	2100 U	781 U	922 U	2500 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 U	510 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	500 U	430 U	391 U	461 UJ	510 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 U	510 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	2500 U	2100 U	781 U	NR	2500 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 U	510 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	500 U	430 U	116 J	461 U	510 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 UJ	510 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	85 J	52 J	680	461 U	510 U
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	100 J	51 J	638 J	461 U	31 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	180 J	69 J	**1340 J**	461 U	510 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	500 U	430 U	349 J	461 U	510 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	500 U	430 U	466 J	461 U	510 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	500 U	430 U	391 U	461 UJ	510 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 U	510 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	500 U	430 U	391 U	461 UJ	510 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	461 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	500 U	39 J	391 U	461 U	510 U
CHRYSENE	UG/KG	500000	9000	40000	410 U	150 J	76 J	686	461 U	510 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	500 U	430 U	391 U	461 UJ	510 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	500 U	430 U	391 UJ	461 U	510 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-2081-05 11/30/1999 0 - 2 ft.	SB-E12-286B-02 10/19/1999 0 - 2 ft.	SB-E12-286D-05 10/25/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.	SB-E12-298B-02 6/22/2000 0 - 2 ft.	SB-E12-298B-03 10/19/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	500 U	430 U	138 J	461 U	510 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	500 U	430 U	391 U	461 UJ	510 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 U	110 J	430 U	448	461 U	510 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	500 U	430 U	391 U	NR	510 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	500 U	430 U	391 U	461 U	510 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	500 U	430 U	391 U	461 U	510 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	500 U	430 U	391 U	461 UJ	510 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	500 U	430 U	355 J	461 U	510 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	500 U	430 U	391 U	461 U	510 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	500 U	430 U	391 U	461 UJ	510 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	500 U	430 U	391 U	461 U	510 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	500 U	430 U	20.7 J	461 U	510 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2500 U	2100 U	781 U	922 U	2500 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 U	500 U	63 J	121 J	461 U	510 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	500 U	430 U	391 U	461 U	510 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	500 U	430 U	559	461 U	510 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E12-6-01 10/20/1999 0 - 2 ft.	SB-E12-9317-01 6/28/2000 0 - 2 ft.	SB-E12-9317-04 10/28/1999 0 - 2 ft.	SB-E13-2040-04 10/28/1999 0 - 2 ft.	SB-E13-2040-07 10/28/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	480 U	412 U	430 U	410 U	550 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	480 U	NR	430 U	410 U	550 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	480 U	412 U	430 U	410 U	550 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	480 U	412 U	430 U	410 U	550 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	781 U	2400 U	823 UJ	2100 U	2100 U	2700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	480 U	412 U	430 U	410 U	550 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	480 U	412 U	430 U	410 U	550 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	480 U	NR	430 U	410 U	550 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	781 UJ	950 U	823 U	860 U	820 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	781 U	2400 U	823 U	2100 U	2100 U	2700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2400 U	NR	2100 U	2100 U	2700 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	81.21 J	480 U	412 U	430 U	410 U	550 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	292 J	480 U	412 U	430 U	59 J	550 U
ANTHRACENE	UG/KG	100000	10000000	10000000	424	480 U	412 U	430 U	65 J	550 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1780**	480 U	412 U	430 U	210 J	550 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**1750**	480 U	412 U	430 U	250 J	550 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2480**	480 U	412 U	430 U	610	550 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	1120	480 U	412 U	430 U	260 J	550 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	845	480 U	412 U	430 U	190 J	550 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	480 U	412 U	430 U	410 U	550 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	NR	412 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	480 U	412 U	430 U	84 J	51 J
CHRYSENE	UG/KG	500000	9000	40000	2250	480 U	412 U	430 U	420	550 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	50 J	412 U	430 U	63 J	190 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E12-6-01 10/20/1999 0 - 2 ft.	SB-E12-9317-01 6/28/2000 0 - 2 ft.	SB-E12-9317-04 10/28/1999 0 - 2 ft.	SB-E13-2040-04 10/28/1999 0 - 2 ft.	SB-E13-2040-07 10/28/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	480 U	412 U	430 U	410 U	550 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3430	480 U	412 U	430 U	460	550 U
FLUORENE	UG/KG	100000	2300000	10000000	119 J	480 U	412 U	430 U	410 U	550 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	480 U	NR	430 U	410 U	550 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	480 U	412 U	430 U	410 U	550 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	480 U	412 U	430 U	410 U	550 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	480 U	412 U	430 U	410 U	550 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**950**	480 U	412 U	430 U	230 J	550 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	480 U	412 U	430 U	410 U	550 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	480 U	412 U	430 U	410 U	550 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	480 U	NR	430 U	410 U	550 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	480 U	412 U	430 U	410 U	550 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	781 U	2400 U	823 U	2100 U	2050 U	2750 U
PHENANTHRENE	UG/KG	NA	NA	NA	791	480 U	412 U	430 U	180 J	550 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	480 U	412 U	430 U	410 U	550 U
PYRENE	UG/KG	100000	1700000	10000000	2470	480 U	412 U	430 U	520	550 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2074-01 10/26/1999 0 - 2 ft.	SB-E13-2074-06 10/26/1999 0 - 2 ft.	SB-E13-2074-09 10/26/1999 0 - 2 ft.	SB-E13-2074A-01 10/26/1999 0 - 2 ft.	SB-E13-2074A-05 6/29/2000 0 - 2 ft.	SB-E13-2076-02 10/25/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	400 U	440 U	500 U	395 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	NR	440 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	400 U	440 U	500 U	395 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	400 U	440 U	500 U	395 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2000 U	2200 U	2500 U	790 U	2200 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	400 U	440 U	500 U	395 U	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	400 U	440 U	500 U	395 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	NR	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	820 U	790 U	880 U	1000 U	790 UJ	880 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	2200 U	2500 U	790 U	2200 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	2000 U	2200 U	2500 UJ	NR	2200 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	36 J	400 U	440 U	500 U	112 J	440 U
ANTHRACENE	UG/KG	100000	10000000	10000000	81 J	400 U	440 U	500 U	92.8 J	440 U
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	400 U	440 U	500 UJ	395 UJ	440 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430	400 U	440 U	500 U	609	62 J
BENZO(a)PYRENE	UG/KG	100000	660	660	410	400 U	440 U	500 U	477	48 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	650	400 U	440 U	500 U	794	120 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	300 J	400 U	440 U	500 U	203 J	440 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	190 J	400 U	440 U	500 U	285 J	440 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	400 U	440 U	500 U	395 U	440 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	395 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	130 J	400 U	440 U	130 J	395 U	26 J
CHRYSENE	UG/KG	500000	9000	40000	430	400 U	440 U	500 U	519	71 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2074-01 10/26/1999 0 - 2 ft.	SB-E13-2074-06 10/26/1999 0 - 2 ft.	SB-E13-2074-09 10/26/1999 0 - 2 ft.	SB-E13-2074A-01 10/26/1999 0 - 2 ft.	SB-E13-2074A-05 6/29/2000 0 - 2 ft.	SB-E13-2076-02 10/25/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	400 U	440 U	500 U	395 U	440 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	41 J	400 U	440 U	500 U	395 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	670	400 U	440 U	500 U	366 J	440 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	400 U	440 U	500 U	NR	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	400 U	440 U	500 U	395 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	400 U	440 U	500 U	395 UJ	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	400 U	440 U	500 U	395 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	290 J	400 U	440 U	500 U	226 J	440 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	400 U	440 U	500 U	395 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	400 U	440 U	500 U	395 UJ	440 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	400 U	440 U	500 U	NR	440 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	400 U	440 U	500 U	395 U	440 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2000 U	2200 U	2500 U	790 U	2200 U
PHENANTHRENE	UG/KG	NA	NA	NA	120 J	400 U	440 U	500 U	174 J	31 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	400 U	440 U	500 U	395 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	680	400 U	440 U	500 U	469	440 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2078-03 10/28/1999 0 - 2 ft.	SB-E13-2078-04 6/29/2000 0 - 2 ft.	SB-E13-3-03 10/25/1999 0 - 1 ft.	SB-E13-3-05 10/26/1999 0 - 2 ft.	SB-E13-3-05 6/29/2000 0 - 1 ft.	SB-E13-325-02 10/25/1999 0 - 2 ft.	SB-E13-5-02 10/28/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	399 U	640 UJ	400 U	386 U	390 U	480 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	399 U	640 U	400 U	386 U	390 U	480 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	399 U	640 UJ	400 U	386 U	390 U	480 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	NR	640 U	400 U	NR	390 U	480 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	799 U	3200 U	2000 U	773 UJ	1950 U	2400 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	399 U	640 U	400 U	386 U	**172 J**	480 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	399 U	640 U	400 U	386 U	390 U	480 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	NR	640 U	400 U	NR	390 U	480 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	820 U	799 UJ	1280 U	800 U	773 U	780 U	960 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 U	799 U	3200 U	2000 U	773 U	1950 U	2400 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	399 U	640 U	400 U	386 U	390 U	480 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	399 U	640 U	400 U	386 U	390 U	480 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	NR	3200 U	2000 U	NR	1950 U	2400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	399 U	640 UJ	400 U	386 U	390 U	480 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	43 J	68.3 J	640 U	400 U	386 U	390 U	480 U
ANTHRACENE	UG/KG	100000	10000000	10000000	44 J	53.9 J	640 U	400 U	386 U	390 U	480 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	399 UJ	640 U	400 U	386 U	390 U	480 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	170 J	306 J	640 U	87 J	195 J	120 J	480 U
BENZO(a)PYRENE	UG/KG	100000	660	660	180 J	286 J	640 U	87 J	153 J	53 J	480 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	440	676	640 U	160 J	281 J	120 J	480 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	150 J	171 J	640 U	62 J	386 U	390 U	480 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	110 J	185 J	640 U	51 J	386 U	390 U	480 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	399 U	640 U	400 U	386 U	390 U	480 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	399 U	NR	NR	386 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	45 J	399 U	640 U	62 J	386 U	390 U	270 J
CHRYSENE	UG/KG	500000	9000	40000	260 J	416	640 U	98 J	177 J	150 J	480 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	160 J	399 U	640 U	400 U	386 U	390 U	130 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2078-03 10/28/1999 0 - 2 ft.	SB-E13-2078-04 6/29/2000 0 - 2 ft.	SB-E13-3-03 10/25/1999 0 - 1 ft.	SB-E13-3-05 10/26/1999 0 - 2 ft.	SB-E13-3-05 6/29/2000 0 - 1 ft.	SB-E13-325-02 10/25/1999 0 - 2 ft.	SB-E13-5-02 10/28/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	399 U	640 U	400 U	386 U	390 U	480 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	180 J	323 J	640 U	100 J	131 J	90 J	480 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	NR	640 U	400 U	NR	390 U	480 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	399 UJ	640 U	400 U	386 U	390 U	480 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	120 J	178 J	640 U	58 J	74.9 J	390 U	480 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	399 U	640 U	400 U	386 U	390 U	480 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	399 U	640 UJ	400 U	386 U	390 U	480 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	399 UJ	640 U	400 U	386 U	390 U	480 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	NR	640 U	400 U	NR	390 U	480 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	399 U	640 U	400 U	386 U	20 J	480 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	799 U	3200 U	2000 U	773 U	1950 U	2400 U
PHENANTHRENE	UG/KG	NA	NA	NA	120 J	137 J	640 U	400 U	51.4 J	240 J	480 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	399 U	640 UJ	400 U	386 U	390 U	480 U
PYRENE	UG/KG	100000	1700000	10000000	170 J	329 J	640 U	100 J	167 J	390 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-5-03 6/29/2000 0 - 2 ft.	SB-E14-2020-03 10/26/1999 0 - 2 ft.	SB-E14-668-03 10/27/1999 0 - 2 ft.	SB-E14-668-05 10/26/1999 0 - 2 ft.	SB-F11-54-02 10/21/1999 0 - 2 ft.	SB-F11-79C-01 10/21/1999 0 - 2 ft.	SB-F12-191-01 6/29/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	400 U	400 U	390 U	560 U	470 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	942 U	2000 U	2000 U	2000 U	2800 U	2300 U	774 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	471 UJ	400 U	400 U	390 U	560 U	470 U	387 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	400 U	400 U	390 U	560 U	470 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	942 U	800 U	790 U	780 U	1100 U	940 U	774 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	942 U	2000 U	2000 U	2000 U	2800 U	2300 U	774 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	2000 U	2000 U	2800 U	2300 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	471 U	40 J	400 U	19 J	560 U	470 U	387 U
ANTHRACENE	UG/KG	100000	10000000	10000000	471 U	52 J	400 U	35 J	560 U	470 U	387 U
BENZIDINE	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	471 U	470	31 J	270 J	81 J	470 U	387 U
BENZO(a)PYRENE	UG/KG	100000	660	660	471 U	330 J	26 J	260 J	61 J	470 U	387 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	471 U	640	400 U	350 J	560 U	470 U	387 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	471 U	140 J	400 U	150 J	560 U	470 U	387 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	471 U	230 J	400 U	93 J	560 U	470 U	387 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	471 U	NR	NR	NR	NR	NR	387 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
CHRYSENE	UG/KG	500000	9000	40000	471 U	450	400 U	240 J	120 J	470 U	387 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	155 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-5-03 6/29/2000 0 - 2 ft.	SB-E14-2020-03 10/26/1999 0 - 2 ft.	SB-E14-668-03 10/27/1999 0 - 2 ft.	SB-E14-668-05 10/26/1999 0 - 2 ft.	SB-F11-54-02 10/21/1999 0 - 2 ft.	SB-F11-79C-01 10/21/1999 0 - 2 ft.	SB-F12-191-01 6/29/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	471 U	400 U	400 U	390 U	560 U	470 U	387 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	471 U	400 U	400 U	390 U	61 J	470 U	63.5 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	471 U	440	400 U	410	98 J	470 U	387 U
FLUORENE	UG/KG	100000	2300000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	400 U	400 U	390 U	560 U	470 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	471 U	400 U	400 U	390 U	560 U	470 U	387 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	471 U	150 J	400 U	140 J	560 U	470 U	387 U
ISOPHORONE	UG/KG	50000	1100000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	471 U	400 U	400 U	390 U	560 U	470 U	387 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	471 U	400 U	400 U	390 U	560 U	470 U	387 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	400 U	400 U	390 U	560 U	470 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	942 U	2000 U	2000 U	2000 U	2800 U	2300 U	774 U
PHENANTHRENE	UG/KG	NA	NA	NA	471 U	63 J	23 J	70 J	130 J	470 U	387 U
PHENOL	UG/KG	50000	10000000	10000000	471 U	400 U	400 U	390 U	560 U	470 U	387 U
PYRENE	UG/KG	100000	1700000	10000000	471 U	370 J	400 U	370 J	560 U	470 U	387 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-191-02 10/21/1999 0 - 2 ft.	SB-F12-2026A-05 10/25/1999 0 - 2 ft.	SB-F12-2039-01 6/29/2000 0 - 1.25 ft.	SB-F12-2039-02 10/28/1999 0 - 2 ft.	SB-F12-2075-03 10/29/1999 0 - 0.5 ft.	SB-F12-2075-05 10/29/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	460 U	416 U	390 U	3600 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 U	460 U	NR	390 U	3600 U	430 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	460 U	416 U	390 U	3600 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	460 U	416 U	390 U	3600 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	833 UJ	1950 U	18000 U	2200 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	460 U	416 U	390 U	3600 U	430 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	460 U	416 U	390 U	3600 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	460 U	NR	390 U	3600 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	920 U	833 U	780 U	7200 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 U	2300 U	833 U	1950 U	18000 U	2200 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	2300 U	NR	1950 U	18000 U	2200 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	24 J	416 U	390 U	3600 U	430 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	460 U	416 U	390 U	3600 U	32 J
BENZIDINE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 UJ	430 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	160 J	157 J	390 U	3600 U	240 J
BENZO(a)PYRENE	UG/KG	100000	660	660	30 J	140 J	157 J	390 U	3600 U	220 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	220 J	198 J	390 U	3600 U	310 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	130 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	460 U	416 U	390 U	3600 U	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	460 U	416 U	390 U	3600 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	416 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	200 J	416 U	45 J	190 J	430 U
CHRYSENE	UG/KG	500000	9000	40000	420 U	120 J	140 J	390 U	3600 U	210 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	460 U	416 U	43 J	5500	430 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-191-02 10/21/1999 0 - 2 ft.	SB-F12-2026A-05 10/25/1999 0 - 2 ft.	SB-F12-2039-01 6/29/2000 0 - 1.25 ft.	SB-F12-2039-02 10/28/1999 0 - 2 ft.	SB-F12-2075-03 10/29/1999 0 - 0.5 ft.	SB-F12-2075-05 10/29/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	460 U	416 U	390 U	3600 U	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	700	416 U	390 U	3600 U	430 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	130 J	174 J	390 U	3600 U	280 J
FLUORENE	UG/KG	100000	2300000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	460 U	NR	390 U	3600 U	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	460 U	416 U	390 U	3600 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	460 U	416 U	390 U	3600 U	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	460 U	416 U	390 U	3600 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	460 U	96.2 J	390 U	3600 U	130 J
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	460 U	416 U	390 U	3600 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	460 U	416 U	390 U	3600 U	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	93 J	NR	390 U	3600 U	430 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	460 U	416 U	390 U	3600 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	2300 U	833 U	1950 U	18000 U	2200 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	52 J	97.8 J	390 U	3600 U	65 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	460 U	416 U	390 U	3600 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	180 J	212 J	390 U	3600 U	310 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2075A-03 11/1/1999 0 - 1 ft.	SB-F12-2075A-04 11/1/1999 0 - 1 ft.	SB-F12-2075A-05 11/1/1999 0 - 2 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.	SB-F12-2221-06 10/28/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3900 U	3700 U	390 U	400 U	410 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3900 U	3700 U	390 U	400 U	410 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3900 U	3700 U	390 U	400 U	410 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	19000 U	18000 U	2000 U	2000 U	2000 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3900 U	3700 U	390 U	400 U	410 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3900 U	3700 U	390 U	400 U	410 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7800 U	7300 U	780 U	800 U	820 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	19000 U	18000 U	2000 U	2000 U	2000 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	19000 U	18000 U	2000 U	2000 U	2000 U	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3900 U	3700 U	390 U	18 J	410 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	140 J	410 j	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3900 U	3700 U	390 U	150 J	170 J	400 U
BENZIDINE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3900 U	3700 U	59 J	720	880	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3900 U	3700 U	60 J	620	**810**	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3900 U	3700 U	96 J	**1100**	**1300**	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	480	580	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3900 U	3700 U	36 J	350 J	280 J	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3900 U	3700 U	390 U	400 U	410 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	3700 U	24 J	170 J	50 J	60 J
CHRYSENE	UG/KG	500000	9000	40000	3900 U	3700 U	53 J	780	920	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3900 U	3700 U	85 J	170 J	57 J	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2075A-03 11/1/1999 0 - 1 ft.	SB-F12-2075A-04 11/1/1999 0 - 1 ft.	SB-F12-2075A-05 11/1/1999 0 - 2 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.	SB-F12-2221-06 10/28/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	3700 U	390 U	180 J	170 J	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1500 J	3700 U	390 U	400 U	170 J	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3900 U	3700 U	390 U	920	890	400 U
FLUORENE	UG/KG	100000	2300000	10000000	3900 U	3700 U	390 U	26 J	410 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3900 U	3700 U	390 U	400 U	410 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3900 U	3700 U	390 U	400 U	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3900 U	3700 U	390 U	400 U	410 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3900 U	3700 U	390 U	400 U	410 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	3700 U	390 U	430	480	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3900 U	3700 U	390 U	400 U	410 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	400 U	410 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3900 U	3700 U	390 U	400 U	160 J	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3900 U	3700 U	390 U	400 U	410 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	19000 U	18000 U	2000 U	2000 U	2000 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	3900 U	3700 U	390 U	280 J	180 J	400 U
PHENOL	UG/KG	50000	10000000	10000000	3900 U	3700 U	390 U	400 U	410 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	3900 U	3700 U	390 U	1100	1400	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-6-06 7/12/2000 0 - 2 ft.	SB-F12-6-12 7/12/2000 0 - 2 ft.	SB-F12-8206-03 10/21/1999 0 - 1 ft.	SB-F12-R1-01 10/28/1999 0 - 2 ft.	SB-F13-1-01 11/1/1999 0 - 2 ft.	SB-F13-1-15 11/1/1999 0 - 2 ft.	SB-F13-2077-01 11/1/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	370 U	380 U	390 U	410 U	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	844 U	804 U	1800 U	1900 U	2000 U	2000 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	370 U	380 U	390 U	410 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	844 U	804 U	730 U	760 U	780 U	810 U	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	844 U	804 U	1800 U	1900 U	2000 U	2000 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	1800 U	1900 U	2000 U	2000 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	422 U	402 U	44 J	380 U	390 U	410 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	422 U	402 U	44 J	380 U	390 U	410 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	422 U	402 U	190 J	380 U	390 U	410 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	422 U	402 U	530	100 J	54 J	410 U	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	422 U	402 U	480 J	100 J	53 J	410 U	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	422 U	402 U	770 J	180 J	85 J	410 U	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	422 U	402 U	270 J	82 J	390 U	410 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	422 U	402 U	360 J	53 J	390 U	410 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	422 U	402 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	422 U	402 U	51 J	26 J	390 U	410 U	380 U
CHRYSENE	UG/KG	500000	9000	40000	422 U	402 U	610	120 J	120 J	410 U	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	422 U	402 U	40 J	380 U	390 U	410 U	53 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	422 U	402 U	370 UJ	380 U	390 U	410 U	380 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-6-06 7/12/2000 0 - 2 ft.	SB-F12-6-12 7/12/2000 0 - 2 ft.	SB-F12-8206-03 10/21/1999 0 - 1 ft.	SB-F12-R1-01 10/28/1999 0 - 2 ft.	SB-F13-1-01 11/1/1999 0 - 2 ft.	SB-F13-1-15 11/1/1999 0 - 2 ft.	SB-F13-2077-01 11/1/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	422 U	402 U	370 UJ	380 U	390 U	410 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	422 U	402 U	41 J	380 U	390 U	410 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	422 U	402 U	1200	96 J	100 J	410 U	380 U
FLUORENE	UG/KG	100000	2300000	10000000	422 U	402 U	74 J	380 U	390 U	410 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	370 U	380 U	390 U	410 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	422 UJ	402 UJ	370 U	380 U	390 U	410 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	422 U	402 U	270 J	380 U	390 U	410 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	422 U	402 U	370 U	380 U	390 U	410 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	422 U	402 U	370 U	380 U	390 U	410 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	422 U	402 U	120 J	380 U	390 U	410 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	422 U	402 U	42 J	380 U	390 U	410 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	844 U	804 U	1800 U	1900 U	2000 U	2000 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	422 U	402 U	980	44 J	59 J	410 U	380 U
PHENOL	UG/KG	50000	10000000	10000000	422 U	402 U	370 U	380 U	390 U	410 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	422 U	402 U	1700	110 J	120 J	410 U	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-236B-01 6/29/2000 0 - 2 ft.	SB-F13-236B-03 10/28/1999 0 - 2 ft.	SB-F13-8209-02 6/29/2000 0 - 1.5 ft.	SB-F13-8209-03 11/2/1999 0 - 1 ft.	SB-F13-8230-02 10/25/1999 0 - 2 ft.	SB-F13-8230-03 6/29/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	429 U	410 U	396 U	380 U	370 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	410 U	NR	380 U	370 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	429 U	410 U	396 U	380 U	370 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	429 U	410 U	396 U	380 U	370 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	857 UJ	2000 U	792 UJ	1900 U	1900 U	859 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	429 U	410 U	396 U	380 U	370 U	430 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	429 U	410 U	396 U	380 U	370 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	410 U	NR	380 U	370 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	857 U	820 U	792 U	770 U	740 U	859 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	857 U	2000 U	792 U	1900 U	1900 U	859 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 U	NR	1900 U	1900 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
ANTHRACENE	UG/KG	100000	10000000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
BENZIDINE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	429 U	410 U	72.5 J	240 J	370 U	430 U
BENZO(a)PYRENE	UG/KG	100000	660	660	429 U	410 U	52.7 J	120 J	370 U	430 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	429 U	410 U	77.6 J	230 J	370 U	430 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	429 U	410 U	396 U	67 J	370 U	430 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	429 U	410 U	396 U	380 U	370 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	429 U	NR	396 U	NR	NR	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	429 U	33 J	396 U	380 U	18 J	63.6 J
CHRYSENE	UG/KG	500000	9000	40000	429 U	410 U	58.6 J	150 J	370 U	430 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	429 U	160 J	396 U	59 J	370 U	430 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-236B-01 6/29/2000 0 - 2 ft.	SB-F13-236B-03 10/28/1999 0 - 2 ft.	SB-F13-8209-02 6/29/2000 0 - 1.5 ft.	SB-F13-8209-03 11/2/1999 0 - 1 ft.	SB-F13-8230-02 10/25/1999 0 - 2 ft.	SB-F13-8230-03 6/29/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	429 U	410 U	396 U	380 U	370 U	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	429 U	410 U	82.8 J	270 J	370 U	430 U
FLUORENE	UG/KG	100000	2300000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	410 U	NR	380 U	370 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	429 U	410 U	396 U	380 U	370 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	429 U	410 U	396 U	380 U	370 U	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	429 U	410 U	396 U	380 U	370 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	429 U	410 U	396 U	380 U	370 U	430 U
ISOPHORONE	UG/KG	50000	1100000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	429 U	410 U	396 U	380 U	370 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	410 U	NR	380 U	370 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	429 U	410 U	396 U	380 U	370 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	857 U	2000 U	792 U	1900 U	1900 U	859 U
PHENANTHRENE	UG/KG	NA	NA	NA	429 U	410 U	396 U	380 U	370 U	430 U
PHENOL	UG/KG	50000	10000000	10000000	429 U	410 U	396 U	380 U	370 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	429 U	410 U	396 U	250 J	370 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-C12-8229-05 8/8/2000 4.5 -6.5 ft.	TP-E11-8228-06 8/8/2000 2.5 - 4.5 ft.	TP-F12-3-01 8/9/2000 5 - 7 ft.	TP-F13-8230-05 8/8/2000 4.5 - 6.5 ft.
Semi-Volatile Organic Compounds								
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	368 U	367 U	367 U	377 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	368 U	367 U	367 U	377 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	368 U	367 U	367 U	377 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	368 U	367 U	367 U	377 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	367 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	368 U	367 U	367 U	377 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	368 U	367 U	367 U	377 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	368 U	367 U	367 U	377 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	737 U	734 U	734 U	753 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	368 UJ	367 UJ	367 U	377 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	368 U	367 U	367 U	377 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	367 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	737 U	734 U	734 U	753 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	737 U	734 U	734 U	753 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	368 U	367 U	367 U	377 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	734 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	368 U	367 U	367 U	377 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
ANTHRACENE	UG/KG	100000	10000000	10000000	368 U	367 U	367 U	377 U
BENZIDINE	UG/KG	NA	NA	NA	368 UJ	367 UJ	367 U	377 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	368 U	367 U	367 U	377 U
BENZO(a)PYRENE	UG/KG	100000	660	660	368 U	367 U	367 U	377 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	368 U	367 U	367 U	377 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	368 U	367 U	367 U	377 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	368 U	367 U	367 U	377 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	368 U	367 U	367 U	377 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	368 U	367 U	NR	377 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	368 U	367 U	24.6 J	377 U
CHRYSENE	UG/KG	500000	9000	40000	368 U	367 U	367 U	377 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	70 J	367 U	51 J	377 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	368 U	367 U	367 U	377 U

Table 5-2B

Analytical Results
Dynamite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-C12-8229-05 8/8/2000 4.5 -6.5 ft.	TP-E11-8228-06 8/8/2000 2.5 - 4.5 ft.	TP-F12-3-01 8/9/2000 5 - 7 ft.	TP-F13-8230-05 8/8/2000 4.5 - 6.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	368 U	367 U	367 U	377 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	368 U	367 U	367 U	377 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	368 U	367 U	367 U	377 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	368 U	367 U	367 U	377 U
FLUORENE	UG/KG	100000	2300000	10000000	368 U	367 U	367 U	377 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	368 U	367 U	367 U	377 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	368 U	367 U	367 U	377 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	368 U	367 U	367 U	377 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	368 U	367 U	367 U	377 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	368 U	367 U	367 U	377 U
ISOPHORONE	UG/KG	50000	1100000	10000000	368 U	367 U	367 U	377 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	368 U	367 U	367 U	377 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	368 U	367 U	367 U	377 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	NR	367 U	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	737 U	734 U	734 U	753 U
PHENANTHRENE	UG/KG	NA	NA	NA	368 U	367 U	367 U	377 U
PHENOL	UG/KG	50000	10000000	10000000	368 U	367 U	367 U	377 U
PYRENE	UG/KG	100000	1700000	10000000	368 U	367 U	367 U	377 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B12-422-04 6/22/2000 0 - 2 ft.	SB-B12-422-06 11/3/1999 0 - 2 ft.	SB-B13-262A-01 11/2/1999 0 - 2 ft.	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-B13-7-01 11/2/1999 0 - 2 ft.	SB-B13-7-06 11/2/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	230 U	250 U	230 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	230 U	250 U	230 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	230 U	250 U	230 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	230 U	250 U	**820**	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	230 U	250 U	230 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	450 U	500 U	450 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	450 U	500 U	450 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	230 U	250 U	230 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	450 U	500 U	450 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	450 U	500 U	450 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	230 U	250 U	230 U	410 U	500 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5530 U	5000 U	4700 U	4500 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	450 U	500 U	450 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	450 U	500 U	450 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B14-128-01 11/3/1999 0 - 2 ft.	SB-B14-128-02 7/6/2000 0 - 2 ft.	SB-B14-3-02 7/6/2000 0 - 2 ft.	SB-B14-3-05 11/3/1999 0 - 2 ft.	SB-C12-1-03 10/19/1999 0 - 2 ft.	SB-C12-1-04 10/19/1999 0 - 2 ft.	SB-C12-274-01 10/21/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	220 U	498 U	NR	NR	NR	NR	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 U	498 U	NR	NR	NR	NR	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	220 U	498 U	NR	NR	NR	NR	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	220 U	498 U	NR	NR	NR	NR	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	220 U	498 U	NR	NR	NR	NR	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	995 U	397 U	NR	NR	NR	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	430 U	995 U	NR	NR	NR	NR	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	220 U	498 U	NR	NR	NR	NR	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	995 U	795 U	NR	NR	NR	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	430 U	995 U	NR	NR	NR	NR	430 U
NITROBENZENE	UG/KG	10000	39000	510000	220 U	498 U	397 U	420 UJ	370 U	420 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4878 U	5980 U	397 U	NR	NR	NR	4545.5 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	430 U	995 U	NR	NR	NR	NR	430 U
TETRYL	UG/KG	NA	780000	10000000	430 U	995 U	NR	NR	NR	NR	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-274-05 10/21/1999 0 - 1 ft.	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-275-02 10/20/1999 0 - 2 ft.	SB-C12-3-03 10/19/1999 0 - 2 ft.	SB-C12-4-01 10/19/1999 0 - 2 ft.	SB-C12-418-01 9/27/2000 0 - 2 ft.	SB-C12-418-04 7/12/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	200 U	238.1 U	220 U	NR	NR	100 U	192.3 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	238.1 U	220 U	NR	NR	100 U	192.3 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 U	**162 J**	**760 J**	NR	NR	100 U	192.3 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**180 J**	**803 J**	**520 J**	NR	NR	100 U	**290 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	**328**	**560 J**	NR	NR	100 U	192.3 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	476 U	430 U	NR	NR	200 U	384.6 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	400 U	476 U	430 U	NR	NR	200 U	384.6 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	104 R	180 UJ	NR	NR	100 U	192.3 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	476 U	430 U	NR	NR	200 U	384.6 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	400 U	476 U	430 U	NR	NR	200 U	384.6 U
NITROBENZENE	UG/KG	10000	39000	510000	200 U	238.1 U	220 U	430 U	390 U	100 U	192.3 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4878 U	6000 U	4651.2 U	NR	NR	5700 U	5294 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	400 U	476 U	430 U	NR	NR	200 U	384.6 U
TETRYL	UG/KG	NA	780000	10000000	400 U	476 U	430 U	NR	NR	200 U	384.6 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-5-02 10/20/1999 0 - 2 ft.	SB-C12-8229-01 6/22/2000 0 - 2 ft.	SB-C12-8229-03 10/20/1999 0 - 2 ft.	SB-C13-1-01 11/2/1999 0 - 2 ft.	SB-C13-1-08 11/2/1999 0 - 2 ft.	SB-C13-1-11 11/2/1999 0 - 2 ft.	SB-C13-1-17 11/2/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	4200 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	4200 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	**130000 D**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	4200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	4200 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	383 U	NR	NR	NR	NR	8300 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	8300 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	4200 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	766 U	NR	NR	NR	NR	8300 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	8300 U
NITROBENZENE	UG/KG	10000	39000	510000	390 U	383 U	400 U	390 U	400 U	410 U	4200 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	150 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	8300 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	8300 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-133-03 7/6/2000 0 - 2 ft.	SB-C13-133-05 11/4/1999 0 - 2 ft.	SB-C13-2-01 10/29/1999 0 - 2 ft.	SB-C13-2-02 4/18/2000 0 - 2 ft.	SB-C13-2-03 10/29/1999 0 - 2 ft.	SB-C13-2-04 4/18/2000 0 - 2 ft.	SB-C13-2-05 4/18/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	442 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	884 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	442 U	390 U	390 U	410 U	510 U	400 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	442 U	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-06 4/18/2000 0 - 2 ft.	SB-C13-2-07 4/18/2000 0 - 2 ft.	SB-C13-2-08 4/18/2000 0 - 2 ft.	SB-C13-2-09 10/29/1999 0 - 2 ft.	SB-C13-2-10 10/29/1999 0 - 2 ft.	SB-C13-2-11 4/18/2000 0 - 2 ft.	SB-C13-2-12 4/18/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	240 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	240 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	240 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	240 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	240 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	480 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	480 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	240 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	480 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	480 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	410 U	420 U	410 U	400 U	240 U	400 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	3170 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	12000	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	480 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	480 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-13 4/18/2000 0 - 2 ft.	SB-C13-2-14 10/29/1999 0 - 2 ft.	SB-C13-2-15 4/18/2000 0 - 1.5 ft.	SB-C13-2-16 4/18/2000 0 - 2 ft.	SB-C13-2-17 4/18/2000 0 - 2 ft.	SB-C13-2-18 4/18/2000 0 - 2 ft.	SB-C13-2-19 4/18/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	220 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	220 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	220 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	220 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	220 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	430 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	220 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	430 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	220 U	410 U	400 U	410 U	410 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1100 J	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	15000	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	430 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	430 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-20 4/18/2000 0 - 2 ft.	SB-C13-262B-01 11/1/1999 0 - 2 ft.	SB-C13-262B-05 11/1/1999 0 - 2 ft.	SB-C13-263C-01 11/1/1999 0 - 2 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-C13-3-02 11/4/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	220 U	240 U	NR	220 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	220 U	240 U	NR	220 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	220 U	240 U	NR	220 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	220 U	240 U	NR	**390 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	220 U	240 U	NR	220 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	480 U	NR	430 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	430 U	480 U	NR	430 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	220 U	240 U	NR	220 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	430 U	480 U	NR	430 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	430 U	480 U	NR	430 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	400 U	220 U	240 U	350 U	220 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4878 U	4651.2 U	NR	4878 U	4900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	430 U	480 U	NR	430 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	430 U	480 U	NR	430 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-742-01 10/29/1999 0 - 2 ft.	SB-C13-742-05 10/29/1999 0 - 2 ft.	SB-C14-1-03 7/6/2000 0 - 1 ft.	SB-C14-1-05 11/4/1999 0 - 2 ft.	SB-C14-121-03 11/3/1999 0 - 2 ft.	SB-C14-121-04 7/6/2000 0 - 1.5 ft.	SB-C14-125-01 11/3/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	200 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	200 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	200 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	200 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	200 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	400 U	375 U	NR	NR	392 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	400 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	200 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	400 U	751 U	NR	NR	784 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	400 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	230 U	200 U	375 U	360 U	410 U	392 U	390 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	5000 U	375 U	NR	NR	392 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	400 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	450 U	400 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C14-125-04 7/6/2000 0 - 1.5 ft.	SB-C14-2-03 11/3/1999 0 - 2 ft.	SB-C14-4-01 11/3/1999 0 - 2 ft.	SB-C14-4-03 7/6/2000 0 - 2 ft.	SB-D11-208A-01 11/4/1999 0 - 2 ft.	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-7-01 10/27/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	210 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	210 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	210 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	210 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	380 U	NR	NR	429000 U	NR	NR	420 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	420 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	210 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	761 U	NR	NR	859000 U	NR	NR	420 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	420 U
NITROBENZENE	UG/KG	10000	39000	510000	380 U	410 UJ	400 U	429000 U	460 U	430 U	210 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	380 U	NR	NR	429000 U	NR	NR	4500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	420 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-7-02 6/22/2000 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D11-B232-07 10/29/1999 0 - 2 ft.	SB-D12-1-01 6/22/2000 0 - 2 ft.	SB-D12-1-02 10/27/1999 0 - 2 ft.	SB-D12-2073-01 6/28/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	238.1 U	240 U	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	238.1 U	240 U	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	238.1 U	240 U	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**7590**	240 U	NR	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	1300 R	240 U	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	480 U	423 U	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	476 U	480 U	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	2200 R	240 U	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	480 U	845 U	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	476 U	480 U	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	238.1 U	240 U	423 U	450 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5750 U	8210 U	4700 U	NR	NR	7170 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	476 U	480 U	NR	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	476 U	480 U	NR	NR	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-2073-03 10/22/1999 0 - 2 ft.	SB-D12-208D-01 6/28/2000 0 - 2 ft.	SB-D12-208D-03 10/22/1999 0 - 2 ft.	SB-D12-209B-02 11/4/1999 0 - 2 ft.	SB-D12-282A-05 10/27/1999 0 - 2 ft.	SB-D12-286A-04 10/22/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	238 U	240 U	NR	220 U	210 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	238 U	240 U	NR	120 R	210 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	238 U	240 U	NR	220 U	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	238 U	240 U	NR	**2000 J**	210 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	238 U	240 U	NR	220 U	210 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	480 U	NR	440 U	420 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	476 U	480 U	NR	440 U	420 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	238 U	240 U	NR	220 U	210 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	480 U	NR	440 U	420 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	476 U	480 U	NR	440 U	420 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	238 U	240 U	450 U	220 U	210 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4651.2 U	7080 U	4878 U	NR	5000 U	4761.9 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	476 U	480 U	NR	440 U	420 U
TETRYL	UG/KG	NA	780000	10000000	500 U	476 U	480 U	NR	440 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D12-3-02 6/28/2000 0 - 2 ft.	SB-D12-3-04 11/4/1999 0 - 2 ft.	SB-D13-264A-03 6/28/2000 0 - 2 ft.	SB-D13-264A-05 11/4/1999 0 - 2 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	220 U	250 U	240 U	250 U	250 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 U	250 U	240 U	250 U	250 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	220 U	250 U	240 U	250 U	250 U	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**740 J**	250 U	240 U	250 U	250 U	**320**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	220 U	250 R	240 U	250 U	250 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	500 U	480 U	500 U	500 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	430 U	500 U	480 U	500 U	500 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	220 U	250 R	240 U	250 U	250 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	500 U	480 U	500 U	500 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	430 U	500 U	480 U	500 U	500 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	220 U	250 U	240 U	250 U	250 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	13100 U	5000 U	5720 U	4800 U	4900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	280 J	500 U	480 U	500 U	500 U	430 U
TETRYL	UG/KG	NA	780000	10000000	430 U	500 U	480 U	500 U	500 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-264B-05 11/2/1999 0 - 2 ft.	SB-D13-265A-06 11/4/1999 0 - 2 ft.	SB-D13-268-01 11/3/1999 0 - 2 ft.	SB-D13-273B-02 11/2/1999 0 - 2 ft.	SB-D13-273B-04 7/6/2000 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	200 U	230 U	230 U	250 U	490 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	230 U	230 U	250 U	490 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 U	230 U	230 U	250 U	490 U	**462**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	200 U	230 U	230 U	250 U	490 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	230 U	230 U	250 U	490 U	**563**
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	450 U	450 U	500 U	980 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	400 U	450 U	450 U	500 U	980 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	230 U	230 U	250 U	490 U	807
4-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	450 U	450 U	500 U	980 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	400 U	450 U	450 U	500 U	980 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	200 U	230 U	230 U	250 U	490 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4500 U	5000 U	4878 U	4800 U	5600 U	5940 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	400 U	450 U	450 U	500 U	980 U	500 U
TETRYL	UG/KG	NA	780000	10000000	400 U	450 U	450 U	500 U	980 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-3-04 11/3/1999 0 - 2 ft.	SB-D13-303F-02 11/4/1999 0 - 2 ft.	SB-D14-120-03 7/6/2000 0 - 2 ft.	SB-D14-120-04 11/3/1999 0 - 2 ft.	SB-D14-129-03 7/6/2000 0 - 2 ft.	SB-D14-129-05 11/3/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**230 J**	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	391 U	NR	478 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	280 J	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	783 U	NR	957 UJ	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	720 U	391 U	400 U	478 UJ	480 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4761.9 U	NR	391 U	NR	478 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-204B-01 10/26/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-360-01 7/6/2000 0 - 2 ft.	SB-D14-360-03 11/3/1999 0 - 2 ft.	SB-D14-6-01 10/26/1999 0 - 2 ft.	SB-D14-6-02 7/6/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 U	150 J	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 U	250 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	210 U	**280 J**	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	210 U	250 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	210 U	250 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	399 U	NR	NR	401 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	420 U	500 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 U	250 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	798 U	NR	NR	801 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	420 U	500 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	210 U	250 U	399 U	420 U	460 UJ	401 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	4800 U	399 U	NR	NR	401 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	300 R	1100 J	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	420 U	500 U	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E10-1-13 11/4/1999 0 - 2 ft.	SB-E10-1-18 11/4/1999 0 - 2 ft.	SB-E10-2-03 10/28/1999 0 - 2 ft.	SB-E10-2-04 6/22/2000 0 - 2 ft.	SB-E10-3-02 10/28/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	860 J	230 U	NR	220 U	240 U	250 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	2100 U	230 U	NR	220 U	240 U	250 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**32000 J**	230 U	NR	220 U	240 U	250 U	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	2100 U	**200 J**	NR	220 U	240 U	250 U	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**2700 D**	230 U	NR	220 U	240 U	250 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	4200 U	450 U	NR	430 U	480 U	500 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	4200 U	450 U	NR	430 U	480 U	500 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	2600 D	230 U	NR	220 U	240 U	250 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	4200 U	450 U	NR	430 U	480 U	500 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	4200 U	450 U	NR	430 U	480 U	500 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	2100 U	230 U	410 U	220 U	240 U	287 R	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4878 U	5200	NR	4800 U	6000	6180 UJ	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	4200 U	450 U	NR	430 U	480 U	500 U	430 U
TETRYL	UG/KG	NA	780000	10000000	4200 U	450 U	NR	430 U	480 U	500 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-3-02 7/27/2000 0 - 2 ft.	SB-E11-1-01 10/25/1999 0 - 2 ft.	SB-E11-11-02 7/12/2000 0 - 2 ft.	SB-E11-12-02 10/25/1999 0 - 2 ft.	SB-E11-12-04 10/25/1999 0 - 2 ft.	SB-E11-2-02 6/22/2000 0 - 1.5 ft.	SB-E11-2-03 10/20/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	220 U	NR	250 U	250 UJ
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	220 U	NR	250 U	250 UJ
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	220 U	NR	250 U	250 UJ
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 UJ	NR	NR	220 U	NR	250 U	250 UJ
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	220 U	NR	250 U	250 UJ
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	443 U	430 U	NR	500 U	500 UJ
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	430 U	NR	500 U	500 UJ
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	220 U	NR	250 U	250 UJ
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	887 U	430 U	NR	500 U	500 UJ
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	430 U	NR	500 U	500 UJ
NITROBENZENE	UG/KG	10000	39000	510000	621	400 U	443 U	220 U	440 UJ	194 J	250 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	139 J	NR	NR	442 J	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6690 U	NR	NR	4195.1 U	NR	11400	22714.3
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	430 U	NR	500 U	500 UJ
TETRYL	UG/KG	NA	780000	10000000	500 UJ	NR	NR	430 U	NR	500 U	500 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-2064-01 10/28/1999 0 - 2 ft.	SB-E11-2064-02 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E11-2083-03 10/20/1999 0 - 2 ft.	SB-E11-2083-04 11/30/1999 0 - 2 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	200 U	220 U	240 UJ	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	220 U	240 UJ	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**250**	220 U	240 UJ	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	200 U	220 U	**190 J**	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	220 U	240 UJ	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	430 U	480 UJ	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	400 U	430 U	480 UJ	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	220 U	240 UJ	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	430 U	480 UJ	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	400 U	430 U	480 UJ	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	200 U	220 U	240 UJ	440 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	17000	4400 U	20000	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	400 U	430 U	480 UJ	NR	NR
TETRYL	UG/KG	NA	780000	10000000	400 U	430 U	480 UJ	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-218B-02 7/12/2000 0 - 2 ft.	SB-E11-4-01 9/27/2000 0 - 2 ft.	SB-E11-4-02 7/12/2000 0 - 2 ft.	SB-E11-5-01 7/12/2000 0 - 2 ft.	SB-E11-52-04 7/12/2000 0 - 2 ft.	SB-E11-6-02 7/14/2000 0 - 2 ft.	SB-E11-6-04 7/14/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	434.8 U	190 U	384.6 U	475 U	454 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	434.8 U	190 U	384.6 U	NR	454 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	217.4 U	95.2 U	192.3 U	NR	227 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	434.8 U	190 U	384.6 U	950 U	454 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	434.8 U	190 U	384.6 U	NR	454 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	217.4 U	95.2 U	192.3 U	475 U	227 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5525 U	10100 U	7467 U	NR	4984 U	5350 U	3040 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	434.8 U	190 U	384.6 U	NR	454 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	434.8 U	190 U	384.6 U	NR	454 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-7-02 7/12/2000 0 - 2 ft.	SB-E11-8228-02 10/19/1999 0 - 2 ft.	SB-E11-8228-05 6/22/2000 0 - 1.5 ft.	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-130E-02 10/20/1999 0 - 2 ft.	SB-E12-130E-03 11/30/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	208 U	NR	NR	210 UJ	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	208 U	NR	NR	210 UJ	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	208 U	NR	NR	210 UJ	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	208 U	NR	NR	210 UJ	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	208 U	NR	NR	210 UJ	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	417 U	NR	443 U	420 UJ	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	417 U	NR	NR	420 UJ	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	208 U	NR	NR	210 UJ	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	417 U	NR	886 U	420 UJ	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	417 U	NR	NR	420 UJ	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	208 U	400 U	443 U	210 UJ	450 U	440 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	2910 J	NR	NR	4900 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	417 U	NR	NR	420 UJ	NR	NR
TETRYL	UG/KG	NA	780000	10000000	417 U	NR	NR	420 UJ	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-2081-04 10/20/1999 0 - 2 ft.	SB-E12-2081-05 11/30/1999 0 - 2 ft.	SB-E12-286B-02 10/19/1999 0 - 2 ft.	SB-E12-286D-05 10/25/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.	SB-E12-298B-02 6/22/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	230 U	240 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	230 U	240 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	230 U	240 U	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	230 U	240 U	250 UJ	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	230 U	240 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	450 U	480 U	500 U	461 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	450 U	480 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	230 U	240 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	450 U	480 U	500 U	922 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	450 U	480 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	460 U	410 U	230 U	240 U	250 U	461 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	115 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5000 U	4651.2 U	5880 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	450 U	480 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	450 U	480 U	500 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-298B-03 10/19/1999 0 - 2 ft.	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E12-6-01 10/20/1999 0 - 2 ft.	SB-E12-9317-01 6/28/2000 0 - 2 ft.	SB-E12-9317-04 10/28/1999 0 - 2 ft.	SB-E13-2040-04 10/28/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	238.1 U	NR	NR	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	238.1 U	NR	NR	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	238.1 U	NR	NR	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	238.1 U	NR	NR	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	238.1 U	NR	NR	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476.2 U	NR	412 U	NR	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	476.2 U	NR	NR	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	238.1 U	NR	NR	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476.2 U	NR	823 U	NR	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	476.2 U	NR	NR	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	510 U	238.1 U	480 U	412 U	430 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5211 U	NR	412 U	NR	4800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	476.2 U	NR	NR	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	NR	476.2 U	NR	NR	NR	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2040-07 10/28/1999 0 - 2 ft.	SB-E13-2074-01 10/26/1999 0 - 2 ft.	SB-E13-2074-06 10/26/1999 0 - 2 ft.	SB-E13-2074-09 10/26/1999 0 - 2 ft.	SB-E13-2074A-01 10/26/1999 0 - 2 ft.	SB-E13-2074A-05 6/29/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	230 U	230 U	220 UJ	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	230 U	230 U	220 UJ	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**250 J**	230 U	230 U	370 R	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	230 U	230 U	220 UJ	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	**1200**	230 U	230 U	220 UJ	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	450 U	450 U	430 UJ	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	450 U	450 U	430 UJ	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	1000 J	230 U	230 U	220 UJ	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	450 U	450 U	430 UJ	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	550 R	450 U	450 U	430 UJ	1250 R
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	230 U	230 U	470 J	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4900 U	4800 U	20000	4800 U	24000	5930 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	450 U	450 U	430 UJ	539
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	450 U	450 U	430 UJ	476 U

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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2076-02 10/25/1999 0 - 2 ft.	SB-E13-2078-03 10/28/1999 0 - 2 ft.	SB-E13-2078-04 6/29/2000 0 - 2 ft.	SB-E13-3-03 10/25/1999 0 - 1 ft.	SB-E13-3-05 10/26/1999 0 - 2 ft.	SB-E13-3-05 6/29/2000 0 - 1 ft.	SB-E13-325-02 10/25/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	NR	NR	NR	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	NR	NR	NR	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	NR	NR	NR	NR	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	NR	NR	NR	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	NR	NR	NR	NR	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	399 U	NR	NR	386 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	NR	NR	NR	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	NR	NR	NR	NR	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	799 U	NR	NR	773 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	NR	NR	NR	NR	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	410 U	399 U	640 U	400 U	386 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	NR	399 U	NR	NR	386 U	4761.9 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	NR	NR	NR	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	NR	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-5-02 10/28/1999 0 - 2 ft.	SB-E13-5-03 6/29/2000 0 - 2 ft.	SB-E14-2020-03 10/26/1999 0 - 2 ft.	SB-E14-668-03 10/27/1999 0 - 2 ft.	SB-E14-668-05 10/26/1999 0 - 2 ft.	SB-F11-54-02 10/21/1999 0 - 2 ft.	SB-F11-79C-01 10/21/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 U	250 U	NR	240 U	230 U	NR	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 U	250 U	NR	240 U	230 U	NR	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	210 U	250 U	NR	240 U	230 U	NR	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	210 U	250 U	NR	240 U	230 U	NR	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	210 U	250 U	NR	240 U	230 U	NR	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	NR	480 U	450 U	NR	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	420 U	500 U	NR	480 U	450 U	NR	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 U	250 U	NR	240 U	230 U	NR	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	NR	480 U	450 U	NR	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	420 U	500 U	NR	480 U	450 U	NR	430 U
NITROBENZENE	UG/KG	10000	39000	510000	210 U	250 U	400 U	240 U	230 U	560 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4900 U	6900 U	NR	5000 U	4900 U	NR	4545.5 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	420 U	500 U	NR	480 U	450 U	NR	430 U
TETRYL	UG/KG	NA	780000	10000000	420 U	500 U	NR	480 U	450 U	NR	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-191-01 6/29/2000 0 - 1.5 ft.	SB-F12-191-02 10/21/1999 0 - 2 ft.	SB-F12-2026A-05 10/25/1999 0 - 2 ft.	SB-F12-2039-01 6/29/2000 0 - 1.25 ft.	SB-F12-2039-02 10/28/1999 0 - 2 ft.	SB-F12-2075-03 10/29/1999 0 - 0.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	238 U	220 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	238 U	220 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	238 U	220 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	238 U	220 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	238 U	220 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	387 U	NR	NR	476 U	430 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	476 U	430 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	238 U	220 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	774 U	NR	NR	476 U	430 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	476 U	430 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	387 U	420 U	460 U	238 U	220 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	387 U	NR	NR	6250 U	4800 U	4800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	476 U	430 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	476 U	430 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2075-05 10/29/1999 0 - 2 ft.	SB-F12-2075A-03 11/1/1999 0 - 1 ft.	SB-F12-2075A-04 11/1/1999 0 - 1 ft.	SB-F12-2075A-05 11/1/1999 0 - 2 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	NR	NR	NR	240 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	NR	NR	NR	240 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	NR	NR	NR	240 U	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	NR	NR	NR	240 U	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	NR	NR	NR	240 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	NR	NR	NR	480 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	NR	NR	NR	480 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	NR	NR	NR	240 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	NR	NR	NR	480 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	NR	NR	NR	480 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	3900 U	3700 U	390 U	240 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	NR	NR	NR	5000 U	4800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	NR	NR	NR	480 U	430 U
TETRYL	UG/KG	NA	780000	10000000	450 U	NR	NR	NR	480 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2221-06 10/28/1999 0 - 2 ft.	SB-F12-6-06 7/12/2000 0 - 2 ft.	SB-F12-6-12 7/12/2000 0 - 2 ft.	SB-F12-8206-03 10/21/1999 0 - 1 ft.	SB-F12-R1-01 10/28/1999 0 - 2 ft.	SB-F13-1-01 11/1/1999 0 - 2 ft.	SB-F13-1-15 11/1/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 UJ	217.4 U	200 U	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 UJ	217.4 U	200 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	210 UJ	217.4 U	200 U	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	210 UJ	217.4 U	200 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	210 UJ	217.4 U	200 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 UJ	434.8 U	400 U	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	420 UJ	434.8 U	400 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 UJ	217.4 U	200 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	420 UJ	434.8 U	400 U	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	420 UJ	434.8 U	400 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	210 UJ	217.4 U	200 U	370 U	380 U	390 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	5762 U	5366 U	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	420 UJ	434.8 U	400 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	420 UJ	434.8 U	400 U	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-2077-01 11/1/1999 0 - 2 ft.	SB-F13-236B-01 6/29/2000 0 - 2 ft.	SB-F13-236B-03 10/28/1999 0 - 2 ft.	SB-F13-8209-02 6/29/2000 0 - 1.5 ft.	SB-F13-8209-03 11/2/1999 0 - 1 ft.	SB-F13-8230-02 10/25/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	200 U	208 U	230 U	250 U	210 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	208 U	230 U	250 U	210 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 U	208 U	230 U	250 U	210 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	200 U	208 U	230 U	250 U	210 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	208 U	230 U	250 U	210 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	417 U	450 U	500 U	420 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	400 U	417 U	450 U	500 U	420 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	208 U	230 U	250 U	210 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	417 U	450 U	500 U	420 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	400 U	417 U	450 U	500 U	420 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	200 U	208 U	230 U	250 U	210 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	6280 U	5000 U	5950 U	4500 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	400 U	417 U	450 U	500 U	420 U	NR
TETRYL	UG/KG	NA	780000	10000000	400 U	417 U	450 U	500 U	420 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2C

Analytical Results
Dynamite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-8230-03 6/29/2000 0 - 1.25 ft.	TP-C12-8229-05 8/8/2000 4.5 - 6.5 ft.	TP-E11-8228-06 8/8/2000 2.5 - 4.5 ft.	TP-F12-3-01 8/9/2000 5 - 7 ft.	TP-F13-8230-05 8/8/2000 4.5 - 6.5 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	200 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	200 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	200 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	200 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	200 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	368 U	367 U	400 U	377 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	400 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	200 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	859 U	737 U	734 U	400 U	753 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	400 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	368 U	367 U	200 U	377 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	30.2 UJ	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	430 U	NR	NR	4890 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	400 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	400 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-2D

Analytical Results
Dynamite Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-2-01 10/29/1999 0 - 2 ft.	SB-E11-8-01 11/4/1999 0 - 2 ft.	SB-E13-1-01 10/29/1999 0 - 2 ft.
Polychlorinated Biphenyls							
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	21 U	24 U	45 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	40 UJ	14 J	88 UJ
TOTAL PCBS	UG/KG	50000	490	2000	40 U	14 J	88 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B12-422-04 6/22/2000 0 - 2 ft.	SB-B12-422-06 11/3/1999 0 - 2 ft.	SB-B13-262A-01 11/2/1999 0 - 2 ft.	SB-B13-262A-05 11/2/1999 0 - 2 ft.	SB-B13-7-01 11/2/1999 0 - 2 ft.	SB-B13-7-06 11/2/1999 0 - 1 ft.	SB-B14-128-01 11/3/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.588 UJ	0.5 UJ	0.38 UJ	0.5 UJ	0.44 UJ	1.5 J	0.56 UJ
ARSENIC	MG/KG	NA	20	20	3.01	3.8	1.7	17	5	8.8	4.3
BERYLLIUM	MG/KG	NA	2	2	0.574	0.75	0.52	0.55	0.76	0.78	0.49
CADMIUM	MG/KG	NA	39	100	0.294 U	0.23 B	0.28 U	0.49	0.3 U	2.5	0.15 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.8 J	14.7 *	9.5	17	22	19.7	16.3 *
COPPER	MG/KG	NA	600	600	14.6	14.3	12.7	19.3	10.6	34.2	8.9
LEAD	MG/KG	NA	400	600	13.5	8.5	3.6	47.3	13.7	355	32.2
MERCURY	MG/KG	NA	14	270	0.076 J	0.03 B*	0.03 U	0.09	0.04 B	0.14	0.05 *
NICKEL	MG/KG	NA	250	2400	9.43 J	7	6.7	10.1	9.9	12.2	6.8
pH	PH	NA	NA	NA	NR	NR	5.68	4.97	5.62	5.69	NR
SELENIUM	MG/KG	NA	63	3100	0.334 J	0.95	0.38 UN	1.2 N	0.44 BN	1.2 N	1.5
SILVER	MG/KG	NA	110	4100	0.294 U	0.3 U	0.23 U	0.3 U	0.26 U	0.25 U	0.34 U
THALLIUM	MG/KG	NA	2	2	0.981 U	1 U	0.75 U	0.99 U	0.87 U	1.3 U	1.1 U
ZINC	MG/KG	NA	1500	1500	45.2 J	48.4	32.3	75.5	58.8	768	33.6

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B14-128-02 7/6/2000 0 - 2 ft.	SB-B14-3-02 7/6/2000 0 - 2 ft.	SB-B14-3-05 11/3/1999 0 - 2 ft.	SB-C12-1-03 10/19/1999 0 - 2 ft.	SB-C12-1-04 10/19/1999 0 - 2 ft.	SB-C12-274-01 10/21/1999 0 - 2 ft.	SB-C12-274-05 10/21/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.685 UJ	0.688 UJ	0.53 UJ	0.43 UJ	2.3 J	0.46 UJ	0.43 UJ
ARSENIC	MG/KG	NA	20	20	4.22	6.71	3.1	1.8	8.9	3.5	4
BERYLLIUM	MG/KG	NA	2	2	0.699	0.494	0.87	0.6	0.65	0.58	0.58
CADMIUM	MG/KG	NA	39	100	0.869	0.965	0.15 U	0.18 U	0.19 U	0.04 B	0.11 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.5	14.7	15.3 *	8.9	13.8	17.6	12.6
COPPER	MG/KG	NA	600	600	13.6	19.1	8.6	12.2	79.2	**1930**	19.3
LEAD	MG/KG	NA	400	600	49.6	65.8	12.9	10.4 J	43.9 J	50.1	**3770**
MERCURY	MG/KG	NA	14	270	0.11 J	0.247 J	0.06 *	0.03 U	0.08	0.13	0.09
NICKEL	MG/KG	NA	250	2400	6.77 J	10.1 J	7.6	7.3	12.5	7.7	15.7
pH	PH	NA	NA	NA	NR	NR	NR	5.51	5	5.96	7.59
SELENIUM	MG/KG	NA	63	3100	0.902	1.28	0.95	0.36 U	0.59 U	0.16 B	0.48
SILVER	MG/KG	NA	110	4100	0.343 U	0.344 U	0.32 U	0.26 U	0.3 U	0.27 U	0.1 B
THALLIUM	MG/KG	NA	2	2	1.14 U	1.15 UJ	1.1 U	0.87 U	1 U	0.92 U	0.85 U
ZINC	MG/KG	NA	1500	1500	73.8	181	61.6	47.8	106	43.4	144

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-275-01 6/22/2000 0 - 2 ft.	SB-C12-275-02 10/20/1999 0 - 2 ft.	SB-C12-3-03 10/19/1999 0 - 2 ft.	SB-C12-4-01 10/19/1999 0 - 2 ft.	SB-C12-418-01 9/27/2000 0 - 2 ft.	SB-C12-418-04 7/12/2000 0 - 1.5 ft.	SB-C12-5-02 10/20/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.489 UJ	0.57 UJ	28.8 UJ	0.52 UJ	0.355 U	0.65 UJ	23.6 UJ
ARSENIC	MG/KG	NA	20	20	3.51	4	28.8 U	2.4	5.63	5.1	23.6 U
BERYLLIUM	MG/KG	NA	2	2	0.617	0.73	17.3 U	0.45	0.79 J	0.614	0.86 B
CADMIUM	MG/KG	NA	39	100	0.318	1.8	2.2 B	0.19 U	0.155 B	0.293 J	1.9 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.3 J	19.9	13.3 B	11.8	24.5	14.1	32
COPPER	MG/KG	NA	600	600	23.2	16.6	130	10.3	16.6	12.1	**47000**
LEAD	MG/KG	NA	400	600	61.2	42.8 J	**93300 J**	**1360 J**	56.1 J	17.3 J	**1630 J**
MERCURY	MG/KG	NA	14	270	0.091 J	0.03	2.1	0.08	0.046	0.032 J	0.04
NICKEL	MG/KG	NA	250	2400	7.51 J	8.1	11.3 B	5.4	7.73	7.83	205
pH	PH	NA	NA	NA	NR	NR	6.57	5.42	NR	NR	5.72
SELENIUM	MG/KG	NA	63	3100	0.626	0.68 U	28.8 UN	0.79 U	0.586 U	1.42	7 BN
SILVER	MG/KG	NA	110	4100	0.244 U	0.34 U	17.3 U	0.31 U	0.352 U	0.325 U	6.3 B
THALLIUM	MG/KG	NA	2	2	0.815 U	1.1 U	57.7 U	1 U	1.17 U	1.08 U	47.2 U
ZINC	MG/KG	NA	1500	1500	384 J	444	**2880**	109	139	54.7	**3000**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
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ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C12-8229-01 6/22/2000 0 - 2 ft.	SB-C12-8229-03 10/20/1999 0 - 2 ft.	SB-C13-1-01 11/2/1999 0 - 2 ft.	SB-C13-1-08 11/2/1999 0 - 2 ft.	SB-C13-1-11 11/2/1999 0 - 2 ft.	SB-C13-1-17 11/2/1999 0 - 2 ft.	SB-C13-133-03 7/6/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.616 UJ	0.52 UJ	0.46 UJ	0.51 UJ	0.5 UJ	0.43 UJ	0.737 UJ
ARSENIC	MG/KG	NA	20	20	4.68	3.3	4.9	5.1	5	4.8	4.39
BERYLLIUM	MG/KG	NA	2	2	0.513	0.62	0.68	0.84	0.81	0.86	0.571
CADMIUM	MG/KG	NA	39	100	0.308 U	0.23 U	1	0.56	1	0.56	0.902
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.1 J	13.7	19	22	17.6	15.8	16.9
COPPER	MG/KG	NA	600	600	16.4	10.9	438	54.3	13.3	13.2	16.1
LEAD	MG/KG	NA	400	600	20.7	11.5 J	51.7	13.6	24	21.4	23
MERCURY	MG/KG	NA	14	270	0.113 J	0.06	0.03 B	0.04 B	0.06	0.08	0.107 J
NICKEL	MG/KG	NA	250	2400	6.06 J	7.4	9.7	9.5	8	7.7	8.13 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.513 U	0.86 U	0.7 N	0.88 N	0.52 N	0.82 J	1.19
SILVER	MG/KG	NA	110	4100	0.308 U	0.31 U	0.09 U	0.3 U	0.3 U	0.26 U	0.369 U
THALLIUM	MG/KG	NA	2	2	1.03 U	1 U	0.93 U	1 U	1 U	0.85 U	1.23 U
ZINC	MG/KG	NA	1500	1500	49.5 J	48.6	960	189	196	59.7	62.9

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-133-05 11/4/1999 0 - 2 ft.	SB-C13-2-01 10/29/1999 0 - 2 ft.	SB-C13-2-02 4/18/2000 0 - 2 ft.	SB-C13-2-03 10/29/1999 0 - 2 ft.	SB-C13-2-04 4/18/2000 0 - 2 ft.	SB-C13-2-05 4/18/2000 0 - 2 ft.	SB-C13-2-06 4/18/2000 0 - 2 ft.	SB-C13-2-07 4/18/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.52 UN	0.44 UJ	0.65 UJ	0.41 UJ	0.69 UJ	0.62 UJ	0.64 UJ	0.71 UJ
ARSENIC	MG/KG	NA	20	20	3.3	4.1	3.7	4.1	4.7	4.7	3.1	4.4
BERYLLIUM	MG/KG	NA	2	2	0.74	0.79	0.89	0.89	0.8	0.81	0.59	0.79
CADMIUM	MG/KG	NA	39	100	0.17 U	0.4	0.7	0.44	0.91	0.9	0.58	0.77
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.6 N	19.1	14	14.9	20	19.3	14.7	19.6
COPPER	MG/KG	NA	600	600	12 J	19.7	9.9	11.6	17.2	18.2	10.9	11.5
LEAD	MG/KG	NA	400	600	9.3	159	12.1	24.4	14.8	10.1	8.9	12.4
MERCURY	MG/KG	NA	14	270	0.04 J	0.28	0.06 U	0.04 B	0.07 U	0.04 U	0.04 U	0.12 U
NICKEL	MG/KG	NA	250	2400	8.1	8.9 J	7.2	7.1 J	7.5	9.3	7.2	8.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1 N	0.46	1	0.69	1.4	1.2	0.85	1.3
SILVER	MG/KG	NA	110	4100	0.31 U	0.26 U	0.32 U	0.25 U	0.34 U	0.31 U	0.32 U	0.35 U
THALLIUM	MG/KG	NA	2	2	1 U	0.88 U	1.1 UN	0.83 U	1.1 UN	1 UN	1.1 UN	1.2 UN
ZINC	MG/KG	NA	1500	1500	48.5 N	196	54.1	54.7	72.3	64.2	40.7	61.3

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-08 4/18/2000 0 - 2 ft.	SB-C13-2-09 10/29/1999 0 - 2 ft.	SB-C13-2-10 10/29/1999 0 - 2 ft.	SB-C13-2-11 4/18/2000 0 - 2 ft.	SB-C13-2-12 4/18/2000 0 - 2 ft.	SB-C13-2-13 4/18/2000 0 - 2 ft.	SB-C13-2-14 10/29/1999 0 - 2 ft.	SB-C13-2-15 4/18/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.6 UJ	0.51 UJ	0.51 UJ	0.66 UJ	0.62 UJ	0.7 UJ	0.52 UJ	0.67 UJ
ARSENIC	MG/KG	NA	20	20	4.3	3.8	3.7	4.3	4.2	3.5	4.5	4.5
BERYLLIUM	MG/KG	NA	2	2	0.63	0.78	0.81	0.89	0.81	0.79	0.75	0.71
CADMIUM	MG/KG	NA	39	100	0.71	0.47	0.5	0.91	0.81	0.79	0.29 B	0.74
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.3	15	16.1	23.7	17.3	15.8	14.6	16.8
COPPER	MG/KG	NA	600	600	10.8	14.7	18	18.7	16.5	12.4	18.1	14.1
LEAD	MG/KG	NA	400	600	8.1	13	28.2	11.2	23.8	11	29.5	23.7
MERCURY	MG/KG	NA	14	270	0.04 U	0.04	0.06	0.06 U	0.07 U	0.06 U	0.07	0.14 U
NICKEL	MG/KG	NA	250	2400	6.2	7 J	7.7 J	11.7	9.8	6.3	7.9 J	9.8
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1	0.48 B	0.41 U	1.2	0.86	0.73	0.72	0.84
SILVER	MG/KG	NA	110	4100	0.3 U	0.3 U	0.31 U	0.33 U	0.31 U	0.35 U	0.31 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1 UN	1 U	1 U	1.1 UN	1 UN	1.2 UN	1 U	1.1 UN
ZINC	MG/KG	NA	1500	1500	39.8	54.4	78.3	64	83.3	48.3	73.3	69.6

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-2-16 4/18/2000 0 - 2 ft.	SB-C13-2-17 4/18/2000 0 - 2 ft.	SB-C13-2-18 4/18/2000 0 - 2 ft.	SB-C13-2-19 4/18/2000 0 - 1 ft.	SB-C13-2-20 4/18/2000 0 - 2 ft.	SB-C13-262B-01 11/1/1999 0 - 2 ft.	SB-C13-262B-05 11/1/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.63 UJ	0.73 UJ	0.71 UJ	0.65 UJ	0.7 UJ	0.17 UJ	0.49 UJ
ARSENIC	MG/KG	NA	20	20	3.6	4.5	2.9	3.9	4.3	**22.7 N**	2 N
BERYLLIUM	MG/KG	NA	2	2	0.7	0.81	0.76	0.68	0.73	0.39	0.77
CADMIUM	MG/KG	NA	39	100	0.75	0.84	0.69	0.7	0.56	0.04 U	0.29 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.5	20.8	16	16.4	17.3	31.8	13.5
COPPER	MG/KG	NA	600	600	11.5	14.3	14.3	12.5	11.1	24.8	24.6
LEAD	MG/KG	NA	400	600	14.1	13.2	13.7	126	11.3	51.9	13.2
MERCURY	MG/KG	NA	14	270	0.05 U	0.08 U	0.07 U	0.08 U	0.1 U	0.08	0.03
NICKEL	MG/KG	NA	250	2400	8.7	9.4	7.8	6.6	7.9	4.8	10.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	6.88	NR
SELENIUM	MG/KG	NA	63	3100	0.84	1	0.79	1.1	0.95	0.36 BN	0.46 BN
SILVER	MG/KG	NA	110	4100	0.31 U	0.36 U	0.35 U	0.32 U	0.35 U	0.25 U	0.29 U
THALLIUM	MG/KG	NA	2	2	1 UN	1.2 UN	1.2 UN	1.1 UN	1.2 UN	0.84 U	0.97 U
ZINC	MG/KG	NA	1500	1500	48.6	63.7	67.7	50.8	56.1	132	77.9

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C13-263C-01 11/1/1999 0 - 2 ft.	SB-C13-282B-03 11/1/1999 0 - 2 ft.	SB-C13-3-02 11/4/1999 0 - 2 ft.	SB-C13-742-01 10/29/1999 0 - 2 ft.	SB-C13-742-05 10/29/1999 0 - 2 ft.	SB-C14-1-03 7/6/2000 0 - 1 ft.	SB-C14-1-05 11/4/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.29 UJ	1.6 UJ	0.36 UN	0.46 UJ	0.5 UJ	0.628 UJ	0.5 UJ
ARSENIC	MG/KG	NA	20	20	2.5 N	11.4 N	3.8	4.3	3.8	5.29	2.4
BERYLLIUM	MG/KG	NA	2	2	0.46	0.92	0.69	0.8	0.78	0.567	0.56
CADMIUM	MG/KG	NA	39	100	0.26 U	10.8	0.18 U	0.38	0.39	1.11	0.17 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.6	31.1	14.9 N	17.2	17.5	17.4	10 J
COPPER	MG/KG	NA	600	600	18.6	71.3	11.2 J	10.7	11.7	20.1	11.7 J
LEAD	MG/KG	NA	400	600	25.3	**13500**	14.5	11.2	18.2	30	19.2
MERCURY	MG/KG	NA	14	270	0.03 B	0.36	0.07 J	0.05	0.04	0.106 J	0.03 J
NICKEL	MG/KG	NA	250	2400	6.3	8	7.3	8.6 J	8.9 J	10.7 J	6.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.3 BN	0.99 N	0.97 N	0.77	0.66	1.16	0.78 J
SILVER	MG/KG	NA	110	4100	0.26 U	0.81	0.21 U	0.27 U	0.3 U	0.314 U	0.3 U
THALLIUM	MG/KG	NA	2	2	0.87 U	1.8 U	0.71 U	0.91 U	0.99 U	1.05 U	1 U
ZINC	MG/KG	NA	1500	1500	101	986	54.8 N	51.1	54.3	63.5	47 J

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ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C14-121-03 11/3/1999 0 - 2 ft.	SB-C14-121-04 7/6/2000 0 - 1.5 ft.	SB-C14-125-01 11/3/1999 0 - 2 ft.	SB-C14-125-04 7/6/2000 0 - 1.5 ft.	SB-C14-2-03 11/3/1999 0 - 2 ft.	SB-C14-4-01 11/3/1999 0 - 2 ft.	SB-C14-4-03 7/6/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.56 UJ	0.654 UJ	0.52 UJ	0.669 UJ	0.39 UJ	0.23 J	0.743 UJ
ARSENIC	MG/KG	NA	20	20	3.3	2.14	3.3	4.1	4.1	5.1	4.35
BERYLLIUM	MG/KG	NA	2	2	0.65	0.546	0.58	0.678	0.61	0.63	0.426
CADMIUM	MG/KG	NA	39	100	0.19 U	0.851	0.18 U	0.835	0.83	0.14 U	0.718
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.5 *	14.6	10.9 *	14.9	11.3 *	16.3 *	14.3
COPPER	MG/KG	NA	600	600	14.2	12.9	13.3	15.3	16.7	18.6	134
LEAD	MG/KG	NA	400	600	48.6	8.38	220	20.9	311	67	86.9
MERCURY	MG/KG	NA	14	270	2.7 *	0.054 J	1.2 *	0.08 J	0.18 *	0.75 *	0.124 J
NICKEL	MG/KG	NA	250	2400	6.3	6.41 J	6.4	6.99 J	8.3	10.9	7.33 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.4	0.737	1.3	1.25	0.84	1.4	0.715
SILVER	MG/KG	NA	110	4100	0.34 U	0.327 U	0.31 U	0.335 U	0.23 U	0.3 U	0.371 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.09 U	1 U	1.12 U	0.78 U	1 U	1.24 U
ZINC	MG/KG	NA	1500	1500	50.8	69.8	54.9	84.1	145	44.9	42.2

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-208A-01 11/4/1999 0 - 2 ft.	SB-D11-218C-03 11/4/1999 0 - 2 ft.	SB-D11-7-01 10/27/1999 0 - 2 ft.	SB-D11-7-02 6/22/2000 0 - 2 ft.	SB-D11-B232-06 6/22/2000 0 - 2 ft.	SB-D11-B232-07 10/29/1999 0 - 2 ft.	SB-D12-1-01 6/22/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.66 UN	0.65 N	0.79 UN	0.495 UJ	0.719 UJ	0.74 UJ	0.732 UJ
ARSENIC	MG/KG	NA	20	20	14.9	17.2	3.4 J	1.57	**33.5**	4.1	10.7
BERYLLIUM	MG/KG	NA	2	2	0.63	0.37	0.45 B	0.282	0.371	0.66	0.278
CADMIUM	MG/KG	NA	39	100	0.18 U	0.17 U	0.42 U	0.247 U	0.359 U	0.13 U	0.366 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.8 N	12.8 N	14.4	9.54 J	13.5 J	11.6	11.9 J
COPPER	MG/KG	NA	600	600	56.7 J	22.3 J	9.5 N	4.21	20.4	16.2	83.4
LEAD	MG/KG	NA	400	600	**553**	**452**	260 J	32	175	32	149
MERCURY	MG/KG	NA	14	270	2.1 J	0.1 J	0.1	0.064 J	0.145 J	0.06	0.184 J
NICKEL	MG/KG	NA	250	2400	5.8	6.6	5.7	4.44 J	9.09 J	9.2 J	6.34 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2 N	1.6 N	0.72 B	0.276 J	0.811	1.4	1.02
SILVER	MG/KG	NA	110	4100	0.39 U	0.28 U	0.47 U	0.247 U	0.359 U	0.44 U	0.366 U
THALLIUM	MG/KG	NA	2	2	1.3 U	0.93 U	1.6 U	0.825 U	1.2 U	1.5 U	1.22 U
ZINC	MG/KG	NA	1500	1500	40.1 N	50.5 N	75.3 N	56 J	59 J	42.4	89.6 J

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-1-02 10/27/1999 0 - 2 ft.	SB-D12-2073-01 6/28/2000 0 - 2 ft.	SB-D12-2073-03 10/22/1999 0 - 2 ft.	SB-D12-208D-01 6/28/2000 0 - 2 ft.	SB-D12-208D-03 10/22/1999 0 - 2 ft.	SB-D12-209B-02 11/4/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.39 UN	0.73 UJ	0.4 BN	0.708 U	0.29 BN	0.32 BN
ARSENIC	MG/KG	NA	20	20	5 J	8.28	6.8	2.78	1.6	**53**
BERYLLIUM	MG/KG	NA	2	2	0.51	0.313 J	0.18 B	0.29	0.25 B	0.41
CADMIUM	MG/KG	NA	39	100	0.31 U	0.665	0.5	0.126 J	0.15 U	0.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.8	15.7 J	7.5	8.99	7.3	9.6 N
COPPER	MG/KG	NA	600	600	75.4 N	7.21	13.3	6.87	3.4	47.8 J
LEAD	MG/KG	NA	400	600	82.2 J	38.4	49	30	6.4	181
MERCURY	MG/KG	NA	14	270	0.11	0.05 J	0.1 J	0.05	0.05 J	0.35 J
NICKEL	MG/KG	NA	250	2400	7.1	5.19	6.6	3.78	3.9	8.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.88	0.477 J	0.37 B	1.19	0.4 B	2.7 N
SILVER	MG/KG	NA	110	4100	0.23 U	0.365 UJ	0.1 B	0.354 U	0.32 U	0.3 U
THALLIUM	MG/KG	NA	2	2	0.78 U	0.781 J	0.94 U	1.18 U	1.1 U	0.98 U
ZINC	MG/KG	NA	1500	1500	121 N	89.8	109	18	30.3	78.3 N

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D12-282A-05 10/27/1999 0 - 2 ft.	SB-D12-286A-04 10/22/1999 0 - 2 ft.	SB-D12-289-03 10/22/1999 0 - 1.25 ft.	SB-D12-3-02 6/28/2000 0 - 2 ft.	SB-D12-3-04 11/4/1999 0 - 2 ft.	SB-D13-264A-03 6/28/2000 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.38 J	0.54 UN	0.7 BN	0.823 J	0.56 UN	0.605 UJ
ARSENIC	MG/KG	NA	20	20	12 J	5.2	**188**	7.23	2.3	13.9
BERYLLIUM	MG/KG	NA	2	2	1.4	0.51	0.27 B	0.454 J	0.47	0.561 J
CADMIUM	MG/KG	NA	39	100	0.34 U	0.6	0.37 B	0.424 J	0.18 U	0.885
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.5	11.1	223	13.2 J	7.9 N	16.5 J
COPPER	MG/KG	NA	600	600	33.2 J	419	197	19.2	103 J	18.9
LEAD	MG/KG	NA	400	600	78.3 J	**471**	**1590**	125	35.8	111
MERCURY	MG/KG	NA	14	270	0.11	0.08 J	3.8 J	0.237 J	0.06 J	0.118 J
NICKEL	MG/KG	NA	250	2400	7.6	10.7	23.4	5.42	3.1	9.41
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.44 B	0.39 B	0.76 B	1.27	0.86 N	1.18
SILVER	MG/KG	NA	110	4100	0.58 U	0.75	0.28 B	0.761 UJ	0.34 U	0.302 UJ
THALLIUM	MG/KG	NA	2	2	1.9 U	1.1 U	2 U	2.54 UJ	1.1 U	**2.18 J**
ZINC	MG/KG	NA	1500	1500	174 J	469	**1520**	50.7	19.5 N	574

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-264A-05 11/4/1999 0 - 2 ft.	SB-D13-264B-03 11/2/1999 0 - 2 ft.	SB-D13-264B-05 11/2/1999 0 - 2 ft.	SB-D13-265A-06 11/4/1999 0 - 2 ft.	SB-D13-268-01 11/3/1999 0 - 2 ft.	SB-D13-273B-02 11/2/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	13.1 N	0.54 UJ	0.51 UJ	0.83 N	0.41 UJ	0.63 UJ
ARSENIC	MG/KG	NA	20	20	12.5	8	6.6	10.8	**25.6**	14.6
BERYLLIUM	MG/KG	NA	2	2	0.45	0.61	0.59	0.62	0.62	0.65
CADMIUM	MG/KG	NA	39	100	0.41	0.7	0.47	1.7	0.55	1.2
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.2 N	21.2	38.3	20 N	12.3 *	21.8
COPPER	MG/KG	NA	600	600	219 J	102	153	29.4 J	54.7	389
LEAD	MG/KG	NA	400	600	267	105	67.4	**2100**	**3680**	43.7
MERCURY	MG/KG	NA	14	270	0.37 J	1.4	0.09	0.32 J	0.62 *	0.06
NICKEL	MG/KG	NA	250	2400	8.1	17.8	16.9	13.3	10	15.4
pH	PH	NA	NA	NA	NR	6.9	7.96	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.67 N	0.63 N	0.62 N	1.4 N	1.3	1.5 N
SILVER	MG/KG	NA	110	4100	0.32 U	0.32 U	0.31 U	0.15 B	0.24 B	0.3 U
THALLIUM	MG/KG	NA	2	2	1 U	1.1 U	1 U	0.99 U	0.82 U	1.3 U
ZINC	MG/KG	NA	1500	1500	441 N	313	367	740 N	712	594

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D13-273B-04 7/6/2000 0 - 2 ft.	SB-D13-3-02 6/28/2000 0 - 2 ft.	SB-D13-3-04 11/3/1999 0 - 2 ft.	SB-D13-303F-02 11/4/1999 0 - 2 ft.	SB-D14-120-03 7/6/2000 0 - 2 ft.	SB-D14-120-04 11/3/1999 0 - 2 ft.	SB-D14-129-03 7/6/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.648 UJ	0.503 UJ	0.4 UJ	1 N	0.693 UJ	0.45 UJ	0.828 J
ARSENIC	MG/KG	NA	20	20	2.32	3.57	7.7	**40.3**	7.32	8.6	3.33
BERYLLIUM	MG/KG	NA	2	2	0.415	0.529 J	0.73	0.39 B	0.423	0.62	0.417
CADMIUM	MG/KG	NA	39	100	0.58	0.175 UJ	0.45	0.79	0.786	0.21 B	0.611
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.4	16.5 J	17 *	5.1 N	15.4	13.4 *	14.2
COPPER	MG/KG	NA	600	600	9.32	10.7	17.4	17.1 J	17.8	18.1	16.2
LEAD	MG/KG	NA	400	600	11.4	13.5	186	64.9	89.3	204	71.6
MERCURY	MG/KG	NA	14	270	0.079 J	0.057 J	0.05 *	0.2 J	0.182 J	0.47 *	0.148 J
NICKEL	MG/KG	NA	250	2400	5.64 J	8.95	9	11.7	6.98 J	8.2	5.49 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.703	0.589	1.3	2.6 N	1.54	1.4	1.83
SILVER	MG/KG	NA	110	4100	0.324 U	0.251 U	0.24 U	0.58 U	0.346 U	0.27 U	0.414 U
THALLIUM	MG/KG	NA	2	2	1.08 U	**2.27 J**	0.79 U	1.9 U	1.16 U	0.91 U	1.38 U
ZINC	MG/KG	NA	1500	1500	40.1	197	413	285 N	43.1	48	45.7

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-129-05 11/3/1999 0 - 2 ft.	SB-D14-204B-01 10/26/1999 0 - 2 ft.	SB-D14-204B-04 10/26/1999 0 - 2 ft.	SB-D14-360-01 7/6/2000 0 - 2 ft.	SB-D14-360-03 11/3/1999 0 - 2 ft.	SB-D14-6-01 10/26/1999 0 - 2 ft.	SB-D14-6-02 7/6/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.58 UJ	2.4 N	1 N	0.4 J	0.45 UJ	0.64 UN	0.714 UJ
ARSENIC	MG/KG	NA	20	20	3.7	**335**	**140**	5.37	1.6	3.1	1.35
BERYLLIUM	MG/KG	NA	2	2	0.54	0.34 B	0.38	0.508	0.71	0.16 B	0.12
CADMIUM	MG/KG	NA	39	100	0.32 B	0.28 B	0.37	0.772	0.13 U	0.12 U	0.144 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12 *	13.5	17.7	15.6	14.3 *	5.1	2.95
COPPER	MG/KG	NA	600	600	12.4	25.6	22.6	14.8	9.7	11	8.82
LEAD	MG/KG	NA	400	600	46.4	**469**	88	23.9	15.7	6.3	7.98
MERCURY	MG/KG	NA	14	270	0.21 *	0.26	0.05	0.085 J	0.37 *	0.03 B	0.042 J
NICKEL	MG/KG	NA	250	2400	5	8.6	11.3	9.11 J	6.2	8.2	5.82 J
pH	PH	NA	NA	NA	NR	4.49	4.88	NR	NR	4.73	5.67
SELENIUM	MG/KG	NA	63	3100	1.8	2.1	0.76	1.17	0.54	0.44 B	0.691
SILVER	MG/KG	NA	110	4100	0.35 U	0.12 B	0.31 U	0.349 U	0.27 U	0.38 U	0.357 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.1 U	1 U	1.16 U	0.91 U	1.3 U	1.19 U
ZINC	MG/KG	NA	1500	1500	46.6	27.9	61.3	44.3	60.6	8.4	8.83

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D14-667-03 10/22/1999 0 - 2 ft.	SB-E10-1-05 11/4/1999 0 - 2 ft.	SB-E10-1-13 11/4/1999 0 - 2 ft.	SB-E10-2-03 10/28/1999 0 - 2 ft.	SB-E10-2-04 6/22/2000 0 - 2 ft.	SB-E10-3-02 10/28/1999 0 - 2 ft.	SB-E11-1-01 10/25/1999 0 - 2 ft.	SB-E11-11-02 7/12/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.53 UN	0.48 UN	0.32 UN	0.53 UJ	0.693 UJ	0.51 UN	0.45 UN	0.733 UJ
ARSENIC	MG/KG	NA	20	20	5.3	10.3	5.9	2.5	3.45	4	11.4 N	14.5
BERYLLIUM	MG/KG	NA	2	2	0.7	0.39	0.35	0.59	0.378	0.57	0.63	0.443
CADMIUM	MG/KG	NA	39	100	0.69	0.17 U	0.14 U	0.08 U	0.346 U	0.3 U	0.27 U	0.2 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20	10.3 N	8.4 N	12.1	13.1 J	12.7	15.2	12
COPPER	MG/KG	NA	600	600	87.8	20.2 *N	19 J	11.7	10.1	14.6	13.7	14.9
LEAD	MG/KG	NA	400	600	**875**	81.5 J	176	79.1	43.5	36.5	31.3	59.2 J
MERCURY	MG/KG	NA	14	270	0.29 J	0.14 J	0.13 J	0.08	0.123 J	0.08	0.04	0.15
NICKEL	MG/KG	NA	250	2400	8.6	7.5	7.4	5.4	6.44 J	7.2	6.2	6.01
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.57	1.8 N	0.67 N	0.81	0.678	1	1 N	2.76
SILVER	MG/KG	NA	110	4100	0.1 B	0.29 U	0.19 U	0.32 U	0.346 U	0.3 U	0.27 U	0.366 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.97 U	0.64 U	1.1 U	1.16 U	1 U	0.89 U	1.22 U
ZINC	MG/KG	NA	1500	1500	235	25.5 N	25.7 N	83.2 J	85.9 J	47.4 J	63.5	33

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-12-04 10/25/1999 0 - 2 ft.	SB-E11-2-02 6/22/2000 0 - 1.5 ft.	SB-E11-2-03 10/20/1999 0 - 1.5 ft.	SB-E11-2064-01 10/28/1999 0 - 2 ft.	SB-E11-2064-02 10/28/1999 0 - 2 ft.	SB-E11-2064-05 10/28/1999 0 - 2 ft.	SB-E11-2083-03 10/20/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.25 U	0.498 UJ	0.48 UJ	0.47 UN	0.48 UN	0.43 UN	0.41 UJ
ARSENIC	MG/KG	NA	20	20	**338 N**	7.42	7.7	**25.1**	**22.1**	**36.4**	12.3
BERYLLIUM	MG/KG	NA	2	2	0.56	0.413	0.57	0.6	1	0.7	0.52
CADMIUM	MG/KG	NA	39	100	0.57	0.249 U	0.36	0.07 U	0.23 B	0.26 U	0.32
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.8	8.96 J	14.1	10.9	18.4	14.4	11.9
COPPER	MG/KG	NA	600	600	16	28.3	18.6	13.9	25.1	14	32.2
LEAD	MG/KG	NA	400	600	93.3	36.8	155 J	31	35.5	17.4	245 J
MERCURY	MG/KG	NA	14	270	0.07	0.863 J	0.21	0.07	0.15	0.05	0.22
NICKEL	MG/KG	NA	250	2400	7.9	6.21 J	10.4	6.3	10.9	8.4	18.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.69 N	0.389 J	1.4 N	0.65	0.9	0.82	0.7 U
SILVER	MG/KG	NA	110	4100	0.12 B	0.249 U	0.29 U	0.28 U	0.29 U	0.26 U	0.25 U
THALLIUM	MG/KG	NA	2	2	0.95 U	0.829 U	0.97 U	0.94 U	0.96 U	0.86 U	0.82 U
ZINC	MG/KG	NA	1500	1500	652	54 J	86.8	60.2 J	121 J	88.9 J	66.9

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-2083-03 11/30/1999 0 - 2.5 ft.	SB-E11-2083-04 11/30/1999 0 - 2 ft.	SB-E11-218B-02 7/12/2000 0 - 2 ft.	SB-E11-4-01 9/27/2000 0 - 2 ft.	SB-E11-4-02 7/12/2000 0 - 2 ft.	SB-E11-5-01 7/12/2000 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	NR	0.29 UN	3.27 UJ	1.06 U	0.85 UJ	0.808 UJ
ARSENIC	MG/KG	NA	20	20	NR	8.3	19.9	4.03	5.82	5.57
BERYLLIUM	MG/KG	NA	2	2	NR	0.57	0.268 J	0.505 J	0.177	0.409
CADMIUM	MG/KG	NA	39	100	NR	0.52	1.64 U	0.301 B	0.174 J	0.195 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	NR	14.3	15.7	11	12.4	14.5
COPPER	MG/KG	NA	600	600	NR	28.6	32.2	13.7	9.02	12.6
LEAD	MG/KG	NA	400	600	NR	72.8	**944 J**	239 J	54.5 J	237 J
MERCURY	MG/KG	NA	14	270	NR	0.56	0.158	0.208	0.12	0.077
NICKEL	MG/KG	NA	250	2400	NR	9.6	8.59	4.96	3.75	6.27
pH	PH	NA	NA	NA	5.37	5.55	NR	NR	NR	4.37
SELENIUM	MG/KG	NA	63	3100	NR	1.2	3.62	1.11	2.17	1.46
SILVER	MG/KG	NA	110	4100	NR	0.29 U	1.64 U	0.566 B	0.425 U	0.404 U
THALLIUM	MG/KG	NA	2	2	NR	0.98 U	5.45 U	2.08 U	1.42 U	1.35 U
ZINC	MG/KG	NA	1500	1500	NR	84.1	48.6	39.1	26.1	32.2

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E11-52-04 7/12/2000 0 - 2 ft.	SB-E11-7-02 7/12/2000 0 - 2 ft.	SB-E11-8228-02 10/19/1999 0 - 2 ft.	SB-E11-8228-05 6/22/2000 0 - 1.5 ft.	SB-E11-R2-03 10/28/1999 0 - 2 ft.	SB-E12-130E-02 10/20/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.681 UJ	7.81 UJ	0.45 UJ	0.684 UJ	0.22 BN	0.61 UJ
ARSENIC	MG/KG	NA	20	20	**183**	**63.9**	6.5	3.22	**183**	5.2
BERYLLIUM	MG/KG	NA	2	2	0.513	0.497 J	0.34	0.296	0.33 B	0.71
CADMIUM	MG/KG	NA	39	100	0.089 J	0.676 J	0.71	0.342 U	0.07 U	0.26 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.6	50.4	11.5	11.4 J	6.7	15.8
COPPER	MG/KG	NA	600	600	31.9	**3590**	71.8	8.52	17.9	13
LEAD	MG/KG	NA	400	600	242 J	**61400 J**	399 J	30.2	52.9	23.4 J
MERCURY	MG/KG	NA	14	270	0.243	0.313	0.14	0.236 J	0.13	0.03 B
NICKEL	MG/KG	NA	250	2400	10.5	41.6	7.1	5.18 J	5.7	6.2
pH	PH	NA	NA	NA	NR	NR	5.58	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.81	8.5	0.91 U	0.86	1.2	0.85 U
SILVER	MG/KG	NA	110	4100	0.341 U	2.53 J	0.09 B	0.342 U	0.35 U	0.36 U
THALLIUM	MG/KG	NA	2	2	1.14 U	13 U	0.89 U	1.14 U	1.2 U	1.2 U
ZINC	MG/KG	NA	1500	1500	35.6	**5980**	253	72.4 J	24.9 J	26.9

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-130E-03 11/30/1999 0 - 2 ft.	SB-E12-2081-04 10/20/1999 0 - 2 ft.	SB-E12-2081-05 11/30/1999 0 - 2 ft.	SB-E12-286B-02 10/19/1999 0 - 2 ft.	SB-E12-286D-05 10/25/1999 0 - 2 ft.	SB-E12-286D-07 7/27/2000 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.43 UN	0.46 UJ	0.53 UN	0.44 UJ	1.6 N	0.954 UJ
ARSENIC	MG/KG	NA	20	20	1.9	4	3.7	**80.1**	**57.2 N**	**198 J**
BERYLLIUM	MG/KG	NA	2	2	0.45	0.64	0.51	0.61	0.46	0.305
CADMIUM	MG/KG	NA	39	100	0.28	0.4	0.58	0.37	0.15 B	0.134 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.8	15.4	15.4	18.2	39.6	8.66 J
COPPER	MG/KG	NA	600	600	12.6	80.6	17.3	46.6	133	18.6 J
LEAD	MG/KG	NA	400	600	8.3	118 J	56.1	99.8 J	383	50.9
MERCURY	MG/KG	NA	14	270	0.03 B	0.06	0.18	0.47	0.76	0.297
NICKEL	MG/KG	NA	250	2400	6	9.7	8.4	15	17.1	6.19 J
pH	PH	NA	NA	NA	NR	NR	NR	5.31	NR	5.62
SELENIUM	MG/KG	NA	63	3100	0.59	0.87 U	1.3	1.4 N	1.2 N	1.4
SILVER	MG/KG	NA	110	4100	0.26 U	0.28 U	0.32 U	0.26 U	0.38	0.22 U
THALLIUM	MG/KG	NA	2	2	0.86 U	0.92 U	1.1 U	0.88 U	1.2 U	0.724 J
ZINC	MG/KG	NA	1500	1500	42	100	118	94.7	1160	74.5

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E12-298B-0(6/22/2000 0 - 2 ft.	SB-E12-298B-03 10/19/1999 0 - 2 ft.	SB-E12-325B-02 7/12/2000 0 - 2 ft.	SB-E12-6-01 10/20/1999 0 - 2 ft.	SB-E12-9317-01 6/28/2000 0 - 2 ft.	SB-E12-9317-04 10/28/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.671 UJ	0.6 UJ	0.676 UJ	0.53 UJ	0.53 UJ	0.45 UN
ARSENIC	MG/KG	NA	20	20	2.84	17.9	**36.1**	2.6	13.2	4.3
BERYLLIUM	MG/KG	NA	2	2	0.248	0.4	0.287	0.44	0.559 J	0.57
CADMIUM	MG/KG	NA	39	100	0.336 U	0.42	0.054 J	0.23 U	0.51	0.12 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.2 J	11.8	12.5	12.3	15.5 J	16.5
COPPER	MG/KG	NA	600	600	12.8	8.7	10.5	84.1	17.4	12.7
LEAD	MG/KG	NA	400	600	16.5	122 J	15 J	17.1 J	135	366
MERCURY	MG/KG	NA	14	270	0.16 J	0.11	0.09	0.03 B	0.052 J	0.06
NICKEL	MG/KG	NA	250	2400	5.36 J	5	5.75	5.8	7.88	6.5
pH	PH	NA	NA	NA	NR	5.53	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.728	1.4 N	1.49	0.79 U	0.693	1.4
SILVER	MG/KG	NA	110	4100	0.336 U	0.13 B	0.338 U	0.32 U	0.265 UJ	0.27 U
THALLIUM	MG/KG	NA	2	2	1.12 U	1.2 U	1.13 U	1.1 U	1.8 J	0.9 U
ZINC	MG/KG	NA	1500	1500	46.4 J	51.4	43.2	75.4	384	258 J

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2040-04 10/28/1999 0 - 2 ft.	SB-E13-2040-07 10/28/1999 0 - 2 ft.	SB-E13-2074-01 10/26/1999 0 - 2 ft.	SB-E13-2074-06 10/26/1999 0 - 2 ft.	SB-E13-2074-09 10/26/1999 0 - 2 ft.	SB-E13-2076-02 10/25/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.4 UN	0.49 UN	0.5 UN	0.5 UJ	0.6 UN	1.2 N
ARSENIC	MG/KG	NA	20	20	8.5	5.4	**40.3**	10.3	5.9	**253 N**
BERYLLIUM	MG/KG	NA	2	2	0.42	0.6	0.56	0.58	0.56	0.44
CADMIUM	MG/KG	NA	39	100	0.17 U	0.04 U	0.51	0.39	0.28 B	0.08 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10	12.3	30.3	20.2	17.9	21.1
COPPER	MG/KG	NA	600	600	68.2	15.5	45.7	20.7	11.6	23.7
LEAD	MG/KG	NA	400	600	98.8	28.2	230	11.7	16.2	107
MERCURY	MG/KG	NA	14	270	0.06	0.04 B	0.08	0.03 B	0.02 B	0.13
NICKEL	MG/KG	NA	250	2400	9.7	8.7	8	8.9	8.2	11.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1	1.4	0.28 B	0.25 B	0.22 B	1 N
SILVER	MG/KG	NA	110	4100	0.11 B	0.29 U	0.3 U	0.3 U	0.36 U	0.32 U
THALLIUM	MG/KG	NA	2	2	0.8 U	0.98 U	1 U	1 U	1.2 U	1.1 U
ZINC	MG/KG	NA	1500	1500	194 J	122 J	421	55.5	69	59

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-2078-03 10/28/1999 0 - 2 ft.	SB-E13-2078-04 6/29/2000 0 - 2 ft.	SB-E13-3-03 10/25/1999 0 - 1 ft.	SB-E13-3-05 10/26/1999 0 - 2 ft.	SB-E13-3-05 6/29/2000 0 - 1 ft.	SB-E13-325-02 10/25/1999 0 - 2 ft.	SB-E13-5-02 10/28/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.48 UN	0.464 UJ	0.65 UN	0.46 UN	0.455 UJ	0.43 U	0.46 UN
ARSENIC	MG/KG	NA	20	20	11.1	8.7	8.2 N	18.7	14.1	**22.9 N**	2.8
BERYLLIUM	MG/KG	NA	2	2	0.47	0.326 J	0.46	0.4	0.362 J	0.39	0.5
CADMIUM	MG/KG	NA	39	100	1.4	0.192 J	0.59	0.3	0.104 J	0.79	0.28 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.1	6.6 J	18.4	15.2	13.3 J	8.2	13.9
COPPER	MG/KG	NA	600	600	104	16.8	10.9	13.7	15.8	17.5	8.3
LEAD	MG/KG	NA	400	600	155	44.3	98	43.5	18	77.5	18.6
MERCURY	MG/KG	NA	14	270	0.15	0.167 J	0.1	0.04	0.037 UJ	0.23	0.07
NICKEL	MG/KG	NA	250	2400	9.9	6.63	7.4	6.5	5.12	7.7	5.7
pH	PH	NA	NA	NA	NR	NR	4.61	4.83	5.02	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.2	0.873	1.5 N	0.29 B	0.343 J	1.5 N	1.2
SILVER	MG/KG	NA	110	4100	0.17 B	0.232 UJ	0.39 U	0.27 U	0.227 UJ	0.15 B	0.28 U
THALLIUM	MG/KG	NA	2	2	0.96 U	0.88 J	1.3 U	0.92 U	1.14 J	1 U	0.92 U
ZINC	MG/KG	NA	1500	1500	203 J	315	113	48.1	41.8	128	44.6 J

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E13-5-03 6/29/2000 0 - 2 ft.	SB-E14-2020-03 10/26/1999 0 - 2 ft.	SB-E14-668-03 10/27/1999 0 - 2 ft.	SB-E14-668-05 10/26/1999 0 - 2 ft.	SB-F11-54-02 10/21/1999 0 - 2 ft.	SB-F11-79C-01 10/21/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.619 UJ	1.5 N	0.52 UN	0.45 UN	0.64 UJ	0.47 UJ
ARSENIC	MG/KG	NA	20	20	2.35	**237**	7.6 J	5	**23.4**	2.9
BERYLLIUM	MG/KG	NA	2	2	0.222 J	0.39	0.54	0.61	0.55	0.42
CADMIUM	MG/KG	NA	39	100	0.182 J	0.26 B	0.26 U	0.23 B	0.07 B	0.05 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.46 J	12.3	15.2	16.3	9.7	10.1
COPPER	MG/KG	NA	600	600	6.21	16.6	12 N	10	20.2	14.8
LEAD	MG/KG	NA	400	600	26.6	21.5	202 J	71.2	59.3	13.9
MERCURY	MG/KG	NA	14	270	0.065 J	0.06	0.26	0.1	0.11	0.1
NICKEL	MG/KG	NA	250	2400	3.53	9.9	6.6	6.7	10	7.6
pH	PH	NA	NA	NA	NR	NR	5.37	5.29	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.23	0.63	0.4 B	0.17 B	1.4	0.29 B
SILVER	MG/KG	NA	110	4100	0.31 UJ	0.31 U	0.31 U	0.27 U	0.38 U	0.28 U
THALLIUM	MG/KG	NA	2	2	1.03 UJ	1 U	1 U	0.51 B	1.3 U	0.95 U
ZINC	MG/KG	NA	1500	1500	30	32.3	35.8 N	34.1	26.4	41

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Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-191-01 6/29/2000 0 - 1.5 ft.	SB-F12-191-02 10/21/1999 0 - 2 ft.	SB-F12-2026A-05 10/25/1999 0 - 2 ft.	SB-F12-2039-01 6/29/2000 0 - 1.25 ft.	SB-F12-2039-02 10/28/1999 0 - 2 ft.	SB-F12-2075-03 10/29/1999 0 - 0.5 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.451 UJ	0.49 UJ	0.36 UN	0.449 UJ	0.44 UN	0.49 UJ
ARSENIC	MG/KG	NA	20	20	3.83	4.3	**47.2 N**	3.39	2.1	19
BERYLLIUM	MG/KG	NA	2	2	0.545 J	0.79	0.68	0.386 J	0.48	0.52
CADMIUM	MG/KG	NA	39	100	0.196 J	0.09 B	0.22 U	0.156 J	0.26 U	0.12 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.8 J	17.4	17.3	16 J	11.2	20.2
COPPER	MG/KG	NA	600	600	15.4	13.7	20.6	15.4	13.7	16
LEAD	MG/KG	NA	400	600	19.1	16.3	36.5	4.28	2.9	12.5
MERCURY	MG/KG	NA	14	270	0.062 J	0.09	0.06	0.055 J	0.03 U	0.04
NICKEL	MG/KG	NA	250	2400	8.08	8.2	8.4	9.33	6.9	6.6 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.692	0.63	0.88 N	1.03	0.6	0.22 J
SILVER	MG/KG	NA	110	4100	0.226 UJ	0.3 U	0.22 U	0.225 UJ	0.26 U	0.3 U
THALLIUM	MG/KG	NA	2	2	1.92 J	0.99 U	0.73 U	**2.34 J**	0.87 U	0.99 U
ZINC	MG/KG	NA	1500	1500	64.8	68.2	65.1	37.9	39.6 J	70.2

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2075-05 10/29/1999 0 - 2 ft.	SB-F12-2075A-03 11/1/1999 0 - 1 ft.	SB-F12-2075A-04 11/1/1999 0 - 1 ft.	SB-F12-2075A-05 11/1/1999 0 - 2 ft.	SB-F12-2221-04 10/28/1999 0 - 2 ft.	SB-F12-2221-05 10/28/1999 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.55 UJ	0.52 UJ	0.44 UJ	0.52 UJ	0.51 UN	0.51 UN
ARSENIC	MG/KG	NA	20	20	**50.9**	**84.7 N**	**72 N**	12.5 N	**60.3**	**75.5**
BERYLLIUM	MG/KG	NA	2	2	0.58	0.59	0.53	0.65	0.51	0.49
CADMIUM	MG/KG	NA	39	100	0.23 B	0.16 U	0.27 U	0.31 U	0.18 U	0.48
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	34.9	22.2	18.5	16.2	21.9	25.5
COPPER	MG/KG	NA	600	600	16.2	43.5	40.4	52.2	32.5	202
LEAD	MG/KG	NA	400	600	369	49.2	30.4	22.6	88	109
MERCURY	MG/KG	NA	14	270	0.07	0.12	0.08	0.04	0.12	0.08
NICKEL	MG/KG	NA	250	2400	7.7 J	17.2	15.1	7.4	8.4	11.1
pH	PH	NA	NA	NA	NR	7.29	6.69	5.99	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.4	0.76 N	0.65 N	0.87 N	0.99	0.92
SILVER	MG/KG	NA	110	4100	0.33 U	0.31 U	0.27 U	0.31 U	0.3 U	0.1 B
THALLIUM	MG/KG	NA	2	2	1.1 U	1 U	0.89 U	1 U	1 U	1 U
ZINC	MG/KG	NA	1500	1500	185	72.2	44.9	78.7	181 J	386 J

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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-2221-06 10/28/1999 0 - 2 ft.	SB-F12-6-06 7/12/2000 0 - 2 ft.	SB-F12-6-12 7/12/2000 0 - 2 ft.	SB-F12-8206-03 10/21/1999 0 - 1 ft.	SB-F12-R1-01 10/28/1999 0 - 2 ft.	SB-F13-1-01 11/1/1999 0 - 2 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.44 UN	0.704 UJ	0.683 UJ	0.21 UJ	0.37 UN	0.32 UJ
ARSENIC	MG/KG	NA	20	20	3.4	2.08	1.99	7.1	13.5	15.9 J
BERYLLIUM	MG/KG	NA	2	2	0.27	0.4	0.409	0.28	0.41	0.47
CADMIUM	MG/KG	NA	39	100	1.2	0.128 J	0.194 J	0.33	0.22 U	0.16 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11	11.9	9.2	12.3	27.1	9.1
COPPER	MG/KG	NA	600	600	24.1	10.5	10.1	24.5	21.2	25.4
LEAD	MG/KG	NA	400	600	56.5	6.86 J	4.75 J	**614**	31.8	118
MERCURY	MG/KG	NA	14	270	0.05	0.029 J	0.034 U	0.41	0.05	0.11
NICKEL	MG/KG	NA	250	2400	8.6	6.49	5.81	6.9	18	11.1
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.83	0.797	0.572	0.68	0.78	0.99 N
SILVER	MG/KG	NA	110	4100	0.09 B	0.352 U	0.342 U	0.11 B	0.22 U	0.3 U
THALLIUM	MG/KG	NA	2	2	0.89 U	1.17 UJ	1.14 U	0.86 U	0.75 U	1 U
ZINC	MG/KG	NA	1500	1500	503 J	43.7	31	192	29.4 J	29.4

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
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ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-1-15 11/1/1999 0 - 2 ft.	SB-F13-2077-01 11/1/1999 0 - 2 ft.	SB-F13-236B-01 6/29/2000 0 - 2 ft.	SB-F13-236B-03 10/28/1999 0 - 2 ft.	SB-F13-8209-02 6/29/2000 0 - 1.5 ft.	SB-F13-8209-03 11/2/1999 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.64 UJ	0.49 UJ	0.666 UJ	0.48 UN	0.427 UJ	0.43 UJ
ARSENIC	MG/KG	NA	20	20	2.3 N	2.4 N	3.12	2.7	3.68	5.5
BERYLLIUM	MG/KG	NA	2	2	0.19 B	0.59	0.467 J	0.62	0.277 J	0.62
CADMIUM	MG/KG	NA	39	100	6.8	0.3 U	0.063 J	0.29 U	0.081 J	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.5	12.3	14.3 J	15.4	9.35 J	17.6
COPPER	MG/KG	NA	600	600	60.8	12.9	9.73	11.1	6.91	12.9
LEAD	MG/KG	NA	400	600	299	7.1	12.5	10.6	8.34	10
MERCURY	MG/KG	NA	14	270	0.22	0.04 B	0.04 J	0.04	0.042 J	0.03 B
NICKEL	MG/KG	NA	250	2400	10.7	6.2	5.52	6.7	3.55	8.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.48 BN	0.77 N	0.831	0.89	0.373	0.35 BN
SILVER	MG/KG	NA	110	4100	0.18 B	0.3 U	0.333 UJ	0.29 U	0.214 UJ	0.26 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.99 U	1.43 J	0.97 U	1.13 J	0.86 U
ZINC	MG/KG	NA	1500	1500	415	41.5	46.5	57.6 J	44	48.7

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-2E

Analytical Results
Dynamite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F13-8230-02 10/25/1999 0 - 2 ft.	SB-F13-8230-03 6/29/2000 0 - 1.25 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	0.42 UN	0.553 UJ
ARSENIC	MG/KG	NA	20	20	3.1 N	3.57
BERYLLIUM	MG/KG	NA	2	2	0.49	0.303 J
CADMIUM	MG/KG	NA	39	100	0.08 B	0.173 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.6	11.1 J
COPPER	MG/KG	NA	600	600	15.5	13
LEAD	MG/KG	NA	400	600	34.2	27.7
MERCURY	MG/KG	NA	14	270	0.05	0.06 J
NICKEL	MG/KG	NA	250	2400	7.6	5.11
pH	PH	NA	NA	NA	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.75 N	1.3
SILVER	MG/KG	NA	110	4100	0.25 U	0.276 UJ
THALLIUM	MG/KG	NA	2	2	0.84 U	1.4 J
ZINC	MG/KG	NA	1500	1500	48.9	47.5

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3A

Analytical Results
NG Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-4-01 11/9/1999 0.5 - 1.0 ft.	SB-B11-4-02 11/9/1999 0.5 - 1.0 ft.	SB-B11-6-03 11/9/1999 0.5 - 1.0 ft.	SB-C11-22-03 11/9/1999 0.5 - 1.0 ft.	SB-D10-11-01 11/22/1999 0.5 - 1.0 ft.	SB-D10-11-03 7/21/2000 0.5 - 1.0 ft.	SB-D9-8284-03 7/21/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	567 U	590 U	612 U	560 U	553 U	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1134 U	1180 U	1223 U	1119 U	1106 U	1060 UJ	1030 UJ
ACROLEIN	UG/KG	NA	NA	NA	2269 UJ	2361 UJ	2446 UJ	2238 UJ	2212 UJ	2120 UJ	2070 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	567 U	590 U	612 U	560 U	553 U	5300 UJ	5170 UJ
BENZENE	UG/KG	1000	3000	13000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
BROMOFORM	UG/KG	1000	86000	370000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1134 U	1180 U	1223 U	1119 U	1106 UJ	1060 UJ	1030 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1134 U	1180 U	1223 U	1119 U	1106 U	1060 UJ	1030 UJ
CHLOROFORM	UG/KG	1000	19000	28000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1134 U	1180 U	1223 U	1119 U	1106 U	1060 UJ	1030 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2517 UJ	2710 UJ	2904 UJ	2647 UJ	601 U	615 UJ	573 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ

Table 5-3A

Analytical Results
NG Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-4-01 11/9/1999 0.5 - 1.0 ft.	SB-B11-4-02 11/9/1999 0.5 - 1.0 ft.	SB-B11-6-03 11/9/1999 0.5 - 1.0 ft.	SB-C11-22-03 11/9/1999 0.5 - 1.0 ft.	SB-D10-11-01 11/22/1999 0.5 - 1.0 ft.	SB-D10-11-03 7/21/2000 0.5 - 1.0 ft.	SB-D9-8284-03 7/21/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	567 U	590 U	612 U	560 U	553 U	530 UJ	517 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	567 U	590 U	612 U	560 U	553 UJ	530 UJ	517 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1134 U	1180 U	1223 U	1119 U	1106 UJ	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3A

Analytical Results
NG Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-8284-05 11/22/1999 0 - 0.5 ft.	SB-E10-2314-01 7/21/2000 0.5 - 1.0 ft.	SB-E10-2314-02 11/22/1999 0 - 0.5 ft.	TP-D10-13-01 8/9/2000 9 - 9.5 ft.	TP-E10-2031B-05 8/8/2000 1 - 1.5 ft.
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	512 U	638 UJ	508 U	606 U	737 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	512 U	638 UJ	508 U	606 U	737 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	512 U	638 UJ	508 U	606 U	737 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	512 U	638 UJ	508 U	606 U	737 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	512 U	638 UJ	508 U	606 U	737 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	512 U	NR	508 U	606 U	737 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	512 U	638 UJ	508 U	606 U	737 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1025 U	1280 UJ	1016 U	1210 UJ	1470 UJ
ACROLEIN	UG/KG	NA	NA	NA	2049 UJ	2550 UJ	2033 UJ	2430 U	2950 U
ACRYLONITRILE	UG/KG	1000	1000	5000	512 U	6380 UJ	508 U	606 U	737 U
BENZENE	UG/KG	1000	3000	13000	512 U	638 UJ	508 U	606 U	737 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	512 U	638 UJ	508 U	606 U	737 U
BROMOFORM	UG/KG	1000	86000	370000	512 U	638 UJ	508 U	606 U	737 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1025 UJ	1280 UJ	1016 UJ	1210 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	512 U	638 UJ	508 U	606 U	737 U
CHLOROBENZENE	UG/KG	1000	37000	680000	512 U	638 UJ	508 U	606 U	737 U
CHLOROETHANE	UG/KG	NA	NA	NA	1025 U	1280 UJ	1016 U	1210 U	1470 U
CHLOROFORM	UG/KG	1000	19000	28000	512 U	638 UJ	508 U	606 U	737 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1025 U	1280 UJ	1016 U	1210 U	1470 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	737 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	512 U	638 UJ	508 U	606 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	512 U	638 UJ	508 U	606 U	737 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	512 U	638 UJ	508 U	606 U	737 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	575 U	662 UJ	511 U	445 U	737 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	512 U	638 UJ	508 U	606 U	737 U

Table 5-3A

Analytical Results
NG Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-8284-05 11/22/1999 0 - 0.5 ft.	SB-E10-2314-01 7/21/2000 0.5 - 1.0 ft.	SB-E10-2314-02 11/22/1999 0 - 0.5 ft.	TP-D10-13-01 8/9/2000 9 - 9.5 ft.	TP-E10-2031B-05 8/8/2000 1 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	512 U	638 UJ	508 U	606 U	737 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	512 U	638 UJ	508 U	606 U	737 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	512 UJ	638 UJ	508 UJ	606 U	737 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1025 UJ	NR	1016 UJ	1210 U	1470 U

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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-1-08 11/10/1999 0 - 1 ft.	SB-B11-1-11 11/10/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 UJ	440 UJ	430 UJ	410 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	20000 UJ	1900 U	1900 U	2400 U	2200 U	2200 U	2100 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**480 J**	**59 J**	**146 J**	480 U	440 U	430 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7800 U	760 U	770 U	970 UJ	880 UJ	870 UJ	820 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	20000 U	1900 U	1900 U	2400 U	2200 U	2200 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	20000 U	1900 U	1900 U	2400 U	2200 U	2200 U	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3900 U	100 J	380 U	480 U	440 U	71 J	410 U
BENZIDINE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3900 U	120 J	380 U	100 J	190 J	410 J	410 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3900 U	380 U	380 U	390 J	150 J	360 J	410 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3900 U	160 J	380 U	320 J	190 J	350 J	410 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	380 U	380 U	NR	NR	NR	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3900 U	NR	NR	1300 J	120 J	300 J	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3900 U	380 U	380 U	480 U	440 U	160 J	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3900 U	380 U	380 U	480 UJ	440 U	430 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	380 U	380 U	480 UJ	440 U	430 U	200 J
CHRYSENE	UG/KG	500000	9000	40000	3900 U	130 J	380 U	220 J	130 J	310 J	410 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3900 UJ	120 J	380 U	480 U	440 U	430 U	93 J

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-1-08 11/10/1999 0 - 1 ft.	SB-B11-1-11 11/10/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3900 U	380 U	380 U	480 UJ	440 UJ	430 UJ	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	380 U	380 U	480 UJ	440 U	430 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3900 UJ	92 J	380 U	89 J	250 J	550	410 U
FLUORENE	UG/KG	100000	2300000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3900 U	380 U	380 U	480 U	440 UJ	430 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3900 U	380 U	380 U	480 U	440 UJ	430 UJ	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3900 UJ	380 U	380 U	480 U	440 UJ	430 UJ	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	380 U	380 U	630 J	99	220 J	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3900 UJ	380 U	380 U	480 U	440 U	430 U	410 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3900 UJ	380 U	380 U	480 UJ	440 UJ	430 UJ	410 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3900 U	380 U	380 U	480 U	440 U	430 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	20000 U	1900 U	1900 U	2400 U	2200 U	2200 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	3900 U	100 J	380 U	50 J	120 J	320 J	410 U
PHENOL	UG/KG	50000	10000000	10000000	3900 UJ	380 U	380 U	480 U	440 U	430 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	3900 U	260 J	380 U	480 UJ	360 J	850 J	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2044-04 11/9/1999 0 - 1.3 ft.	SB-B11-2044-05 11/9/1999 0 - 0.5 ft.	SB-B11-2044-06 11/9/1999 0 - 0.7 ft.	SB-B11-2044-08 11/9/1999 0 - 0.8 ft.	SB-B11-2044C-01 11/5/1999 0 - 2 ft.	SB-B11-2044C-05 11/5/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	370 U	400 U	360 U	370 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	370 U	400 U	360 U	370 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	370 U	400 U	360 U	370 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	1900 UJ	2000 UJ	1800 UJ	1900 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	370 U	400 U	360 U	**207 J**	**26 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	370 U	400 U	360 U	370 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 U	750 U	800 U	720 U	750 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 U	1900 U	2000 U	1800 U	1900 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 U	1900 U	2000 U	1800 U	1900 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	370 U	400 U	360 U	370 U	45 J
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	370 U	400 U	360 U	370 U	40 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	370 U	400 U	360 U	370 U	390 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	370 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	370 U	400 U	360 U	370 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	370 U	400 U	360 U	370 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	18 J	40 J	310 J	35 J	370 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	370 U	370 U	400 U	360 U	370 U	36 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	92 J	180 J	100 J	370 U	390 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2044-04 11/9/1999 0 - 1.3 ft.	SB-B11-2044-05 11/9/1999 0 - 0.5 ft.	SB-B11-2044-06 11/9/1999 0 - 0.7 ft.	SB-B11-2044-08 11/9/1999 0 - 0.8 ft.	SB-B11-2044C-01 11/5/1999 0 - 2 ft.	SB-B11-2044C-05 11/5/1999 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	370 U	400 U	360 U	370 UJ	390 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	370 U	44 J	360 U	370 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	370 U	400 U	360 U	370 U	72 J
FLUORENE	UG/KG	100000	2300000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	370 U	400 U	360 U	370 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	370 U	400 U	360 U	370 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	370 U	400 U	360 U	370 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	370 U	400 U	360 U	370 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	370 U	400 U	360 U	370 UJ	390 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 UJ	370 UJ	400 UJ	360 UJ	370 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	370 UJ	400 UJ	360 UJ	370 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	370 U	380 J	360 U	370 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	370 U	400 U	360 U	370 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	1900 U	2000 U	1800 U	1900 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 U	370 U	400 U	360 U	370 U	390 U
PHENOL	UG/KG	50000	10000000	10000000	370 U	370 U	400 U	360 U	370 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	370 U	370 U	400 U	360 U	370 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-4-01 11/9/1999 0 - 1.7 ft.	SB-B11-4-02 11/9/1999 0 - 1 ft.	SB-B11-6-03 11/9/1999 0 - 1 ft.	SB-B11-9-02 11/5/1999 0 - 2 ft.	SB-B11-9-03 6/30/2000 0 - 1 ft.	SB-C10-10-01 11/16/1999 0 - 2 ft.	SB-C10-10-02 6/30/2000 0 - 1 ft.	SB-C10-12-03 11/16/1999 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	NR	350 U	NR	420 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 UJ	2800 UJ	2000 UJ	2300 U	818 U	1700 U	721 U	2100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	460 U	560 U	390 U	460 U	409 U	**64 J**	360 U	**110 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	NR	350 U	NR	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	930 U	1100 U	780 U	910 U	818 UJ	700 U	721 UJ	840 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 U	2800 U	2000 U	2300 U	818 U	1700 U	721 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 U	2800 U	2000 U	2300 U	NR	1700 U	NR	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	460 U	560 U	390 U	65 J	409 U	350 U	360 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 UJ	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 U	560 U	42 J	420 J	178 J	350 U	360 U	65 J
BENZO(a)PYRENE	UG/KG	100000	660	660	460 U	560 U	45 J	320 J	154 J	350 U	360 U	55 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 U	560 U	390 U	430 J	152 J	350 U	360 U	83 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	460 U	560 U	390 U	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	180 J	101 J	350 U	360 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	409 U	NR	360 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	560 U	390 U	460 U	20 J	31 J	19 J	35 J
CHRYSENE	UG/KG	500000	9000	40000	460 U	560 U	59 J	290 J	124 J	350 U	360 U	70 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	63 J	560 U	390 U	460 U	409 U	31 J	360 U	420 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-4-01 11/9/1999 0 - 1.7 ft.	SB-B11-4-02 11/9/1999 0 - 1 ft.	SB-B11-6-03 11/9/1999 0 - 1 ft.	SB-B11-9-02 11/5/1999 0 - 2 ft.	SB-B11-9-03 6/30/2000 0 - 1 ft.	SB-C10-10-01 11/16/1999 0 - 2 ft.	SB-C10-10-02 6/30/2000 0 - 1 ft.	SB-C10-12-03 11/16/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	560 U	390 U	460 UJ	409 U	350 U	360 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 U	560 U	110 J	760	257 J	350 U	360 U	170 J
FLUORENE	UG/KG	100000	2300000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	560 U	390 U	460 U	NR	350 U	NR	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 U	560 U	390 U	460 U	409 UJ	350 U	360 UJ	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 U	560 U	390 U	180 J	96.1 J	350 U	360 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 UJ	560 UJ	390 UJ	460 U	409 U	350 U	360 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 UJ	560 UJ	390 UJ	460 U	409 U	350 U	360 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 U	2800 U	2000 U	2300 U	818 U	1700 U	721 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	460 U	560 U	40 J	270 J	75.3 J	350 U	360 U	150 J
PHENOL	UG/KG	50000	10000000	10000000	460 U	560 U	390 U	460 U	409 U	350 U	360 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	460 U	560 U	110 J	650	286 J	350 U	360 U	150 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-13-01 11/19/1999 0 - 1.5 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-211C-07 11/16/1999 0 - 1 ft.	SB-C10-241A-03 11/18/1999 0 - 0.5 ft.	SB-C10-241A-05 6/30/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 UJ	360 U	350 U	350 U	540 U	401 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	401 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	360 UJ	360 UJ	350 UJ	350 U	540 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 UJ	360 U	350 U	350 U	540 U	401 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 UJ	360 U	350 U	350 U	540 U	401 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1800 UJ	1800 UJ	1800 UJ	1800 U	2700 U	802 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 UJ	**29 J**	**350 J**	350 U	540 U	401 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	401 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 UJ	360 U	350 U	350 U	540 U	401 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 UJ	720 U	700 U	700 U	1100 U	802 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1800 UJ	1800 UJ	1800 UJ	1800 U	2700 U	802 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	401 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	401 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1800 UJ	1800 U	1800 U	1800 U	2700 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 UJ	360 U	350 U	350 U	540 U	401 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
BENZIDINE	UG/KG	NA	NA	NA	360 UJ	360 UJ	350 UJ	350 UJ	540 U	401 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	520 J	360 U	350 U	350 U	140 J	401 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 J	76 J	350 U	350 U	180 J	401 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	610 J	150 J	350 U	350 U	310 J	401 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	540 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	460 J	360 U	350 U	350 U	NR	401 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	130 J	360 U	350 U	350 U	540 U	401 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 UJ	360 UJ	350 U	350 U	540 U	401 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 UJ	360 U	350 UJ	350 U	540 U	401 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	401 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	530 J	21 J	31 J	20 J	170 J	401 U
CHRYSENE	UG/KG	500000	9000	40000	260 J	50 J	350 U	350 U	220 J	401 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	360 UJ	110 J	350 U	98 J	72 J	401 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-13-01 11/19/1999 0 - 1.5 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-211C-07 11/16/1999 0 - 1 ft.	SB-C10-241A-03 11/18/1999 0 - 0.5 ft.	SB-C10-241A-05 6/30/2000 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 UJ	360 UJ	350 UJ	350 U	540 U	401 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 UJ	360 U	350 U	350 U	540 U	401 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 UJ	360 U	350 U	350 U	50 J	401 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	320 J	360 U	350 U	350 U	280 J	401 U
FLUORENE	UG/KG	100000	2300000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 UJ	360 U	350 U	350 U	540 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 UJ	360 U	350 U	350 U	540 U	401 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 UJ	360 U	350 U	350 U	540 U	401 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 UJ	360 U	350 U	350 U	540 U	401 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 J	360 U	350 U	350 U	540 U	401 U
ISOPHORONE	UG/KG	50000	1100000	10000000	300 J	360 U	350 U	350 U	540 U	401 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 UJ	360 U	350 U	350 U	540 U	401 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 UJ	360 UJ	350 UJ	350 U	540 U	401 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 UJ	360 U	350 U	350 U	540 U	401 U
NAPHTHALENE	UG/KG	100000	230000	4200000	360 UJ	360 U	350 U	350 U	540 U	401 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1800 UJ	1800 UJ	1800 UJ	1800 U	2700 U	802 U
PHENANTHRENE	UG/KG	NA	NA	NA	1200 J	360 U	350 U	350 U	180 J	401 U
PHENOL	UG/KG	50000	10000000	10000000	360 UJ	360 U	350 U	350 U	540 U	401 U
PYRENE	UG/KG	100000	1700000	10000000	360 J	360 U	350 U	350 U	270 J	401 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-241C-03 6/30/2000 0 - 2 ft.	SB-C10-241C-04 11/16/1999 0 - 2 ft.	SB-C10-5-01 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-04 11/18/1999 0 - 1 ft.	SB-C11-1-09 11/18/1999 0 - 0.8 ft.	SB-C11-1-17 11/18/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	340 UJ	380 U	470 U	510 U	420 U	1900 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	715 U	1700 UJ	1900 U	2300 U	2500 U	2100 U	9700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	358 U	340 U	380 U	**370 J**	510 U	**71 J**	1900 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	340 U	380 U	470 U	510 U	420 U	1900 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	715 UJ	690 U	770 U	940 U	1000 U	830 U	3900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	715 U	1700 UJ	1900 U	2300 U	2500 U	2100 U	9700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1700 U	1900 U	2300 U	2500 U	2100 U	9700 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	358 U	340 U	110 J	470 U	510 U	21 J	4000 D
ACENAPHTHYLENE	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	19 J	99 JD
ANTHRACENE	UG/KG	100000	10000000	10000000	358 U	340 U	280 J	470 U	45 J	47 J	7200 D
BENZIDINE	UG/KG	NA	NA	NA	358 U	340 UJ	380 UJ	470 U	510 U	420 U	1900 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	358 U	340 U	600	60 J	280 J	200 J	**9400 D**
BENZO(a)PYRENE	UG/KG	100000	660	660	358 U	340 U	470	55 J	290 J	170 J	**8200 D**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	358 U	340 U	660	97 J	420 J	270 J	**9700 D**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	340 J	130 J	4300 D
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	358 U	340 U	150 J	470 U	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	358 U	340 U	280 J	470 U	160 J	110 J	**3600 D**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	358 U	340 UJ	380 U	470 U	510 U	420 U	1900 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	358 U	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	358 U	29 J	45 J	60 J	220 J	420 U	1900 U
CHRYSENE	UG/KG	500000	9000	40000	358 U	340 U	490	73 J	230 J	200 J	8700 D
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	358 U	76 J	380 U	470 U	510 U	420 U	1900 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-241C-03 6/30/2000 0 - 2 ft.	SB-C10-241C-04 11/16/1999 0 - 2 ft.	SB-C10-5-01 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-04 11/18/1999 0 - 1 ft.	SB-C11-1-09 11/18/1999 0 - 0.8 ft.	SB-C11-1-17 11/18/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	358 U	340 UJ	380 UJ	470 U	510 U	420 U	1900 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	358 U	340 U	380 UJ	470 U	200 J	420 U	**1200 JD**
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	358 U	340 U	380 U	470 U	50 J	420 U	1900 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	358 U	340 U	1200	130 J	610	400 J	18000 D
FLUORENE	UG/KG	100000	2300000	10000000	358 U	340 U	89 J	470 U	510 U	420 U	3100 D
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	340 U	380 U	470 U	510 U	420 U	1900 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	358 UJ	340 U	380 UJ	470 U	510 U	420 U	1900 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	358 U	340 U	150 J	470 U	310 J	110 J	**4100 D**
ISOPHORONE	UG/KG	50000	1100000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	358 U	340 UJ	380 U	470 U	510 U	420 U	1900 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
NAPHTHALENE	UG/KG	100000	230000	4200000	358 U	340 U	33 J	470 U	510 U	420 U	2700 D
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	715 U	1700 UJ	1900 U	2300 U	2500 U	2100 U	9700 U
PHENANTHRENE	UG/KG	NA	NA	NA	358 U	340 U	1300	110 J	200 J	230 J	18000 D
PHENOL	UG/KG	50000	10000000	10000000	358 U	340 U	380 U	470 U	510 U	420 U	1900 U
PYRENE	UG/KG	100000	1700000	10000000	358 U	340 U	1300	140 J	470 J	380 J	18000 D

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-10-01 11/9/1999 0 - 2 ft.	SB-C11-12-02 11/10/1999 0 - 1 ft.	SB-C11-15-05 11/10/1999 0 - 2 ft.	SB-C11-18-01 6/30/2000 0 - 2 ft.	SB-C11-18-02 11/5/1999 0 - 2 ft.	SB-C11-19-05 11/18/1999 0 - 0.5 ft.	SB-C11-22-03 11/9/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	460 UJ	410 UJ	NR	400 UJ	450 U	410 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	2300 U	2000 U	796 U	2000 UJ	2300 U	2000 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	460 U	410 U	NR	400 UJ	450 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	930 UJ	810 UJ	796 UJ	790 UJ	900 U	820 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 U	2300 U	2000 U	796 U	2000 UJ	2300 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 U	2300 U	2000 U	NR	2000 UJ	2300 U	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	460 U	410 U	398 U	400 UJ	40 J	410 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 UJ	400 UJ	450 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	94 J	110 J	410 U	398 U	88 J	150 J	41 J
BENZO(a)PYRENE	UG/KG	100000	660	660	99 J	**2100**	410 U	398 U	77 J	160 J	36 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	120 J	300 J	410 U	398 U	150 J	150 J	410 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	390 U	NR	NR	NR	NR	450 U	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	890 J	410 U	398 U	400 UJ	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	190 J	410 U	398 U	400 UJ	450 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	460 UJ	410 U	398 U	400 UJ	450 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	398 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	460 UJ	410 U	25 J	24 J	1100	410 U
CHRYSENE	UG/KG	500000	9000	40000	110 J	210 J	410 U	398 U	130 J	160 J	38 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	34 J	460 U	410 U	398 U	400 UJ	95 J	410 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-10-01 11/9/1999 0 - 2 ft.	SB-C11-12-02 11/10/1999 0 - 1 ft.	SB-C11-15-05 11/10/1999 0 - 2 ft.	SB-C11-18-01 6/30/2000 0 - 2 ft.	SB-C11-18-02 11/5/1999 0 - 2 ft.	SB-C11-19-05 11/18/1999 0 - 0.5 ft.	SB-C11-22-03 11/9/1999 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	460 UJ	410 UJ	398 U	400 UJ	450 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	550 J	410 U	398 U	400 UJ	450 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	170 J	160 J	410 U	398 U	310 J	240 J	410 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	460 U	410 UJ	NR	400 UJ	450 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	460 U	410 UJ	398 U	400 UJ	450 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	460 U	410 UJ	398 UJ	400 UJ	450 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	250 J	410 U	398 U	400 UJ	450 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 UJ	460 U	410 U	398 U	400 UJ	450 U	410 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	460 UJ	410 UJ	398 U	400 UJ	450 U	410 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	2300 U	2000 U	796 U	2000 UJ	2300 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	100 J	120 J	410 U	398 U	210 J	250 J	26 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	460 U	410 U	398 U	400 UJ	450 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	170 J	460 UJ	410 UJ	398 U	230 J	510	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233-01 11/10/1999 0 - 1 ft.	SB-C11-2233-01 7/19/2000 0 - 2 ft.	SB-C11-2233-02 11/10/1999 0 - 1 ft.	SB-C11-2233-03 11/10/1999 0 - 2 ft.	SB-C11-2233C-01 11/9/1999 0 - 2 ft.	SB-C11-2233D-05 11/9/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	381 U	390 U	380 U	370 U	470 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	381 U	390 U	380 U	370 U	470 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	381 U	390 U	380 U	370 U	470 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 U	763 U	2000 U	1900 U	1900 UJ	2300 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	381 U	390 U	380 U	370 U	470 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	381 U	390 U	380 U	370 U	470 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 U	763 U	780 U	760 U	740 U	940 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 U	763 U	2000 U	1900 U	1900 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 U	763 U	2000 U	1900 U	1900 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	381 U	76 J	380 U	370 U	470 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	381 U	33 J	380 U	370 U	470 U
BENZIDINE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	90.4 J	170 J	80 J	87 J	72 J
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	60.3 J	190 J	45 J	92 J	85 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	145 J	260 J	79 J	120 J	110 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	370 U	470 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	381 U	130 J	380 U	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	381 U	390 U	380 U	370 U	470 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 U	470 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	381 U	390 U	380 U	370 U	470 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	230 J	1840	390 U	860	370 U	24 J
CHRYSENE	UG/KG	500000	9000	40000	370 U	146 J	200 J	39 J	99 J	89 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	54 J	307 J	61 J	67 J	370 U	46 J

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233-01 11/10/1999 0 - 1 ft.	SB-C11-2233-01 7/19/2000 0 - 2 ft.	SB-C11-2233-02 11/10/1999 0 - 1 ft.	SB-C11-2233-03 11/10/1999 0 - 2 ft.	SB-C11-2233C-01 11/9/1999 0 - 2 ft.	SB-C11-2233D-05 11/9/1999 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 UJ	381 U	390 UJ	380 UJ	370 U	470 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	291 J	300 J	94 J	160 J	110 J
FLUORENE	UG/KG	100000	2300000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	381 U	390 U	380 U	370 U	470 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	381 U	390 U	380 U	370 U	470 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 UJ	381 U	390 UJ	380 UJ	370 U	470 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	381 U	390 U	380 U	370 U	470 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 UJ	381 U	100 J	380 UJ	370 U	470 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	381 U	390 U	380 U	370 UJ	470 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	381 U	390 U	380 U	370 UJ	470 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	59.1 J	390 U	380 U	370 U	470 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	381 U	390 U	380 U	370 U	470 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	763 U	2000 U	1900 U	1900 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 U	92.3 J	230 J	27 J	47 J	43 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	381 U	390 U	380 U	370 U	470 U
PYRENE	UG/KG	100000	1700000	10000000	370 U	295 J	450	380 U	120 J	470 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233D-06 11/9/1999 0 - 2 ft.	SB-C11-23-02 11/10/1999 0 - 1 ft.	SB-C11-24-04 11/9/1999 0 - 1 ft.	SB-C11-27-02 11/12/1999 0 - 1 ft.	SB-C11-30-01 11/5/1999 0 - 1 ft.	SB-C11-30-05 11/5/1999 0 - 1 ft.	SB-C11-30-06 11/12/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 U	370 UJ	370 U	410 U	400 U	410 U	420 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	1900 U	1800 UJ	2000 U	2000 U	2000 U	2100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	370 U	370 U	**420 J**	400 U	410 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 U	750 UJ	730 U	810 U	800 U	810 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 U	1900 U	1800 U	2000 U	2000 U	2000 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 U	1900 U	1800 U	2000 U	2000 U	2000 U	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	370 U	36 J	92 J	110 J	410 U	85 J
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	370 U	37 J	80 J	95 J	410 U	47 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	370 U	370 U	150 J	100 J	410 U	89 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	370 U	NR	370 U	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	370 U	NR	410 U	400 U	410 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	370 U	370 U	410 U	400 U	410 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	370 U	63 J	400 U	410 U	57 J
CHRYSENE	UG/KG	500000	9000	40000	370 U	370 U	35 J	110 J	96 J	410 U	78 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	43 J	370 U	52 J	410 U	400 U	410 U	300 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233D-06 11/9/1999 0 - 2 ft.	SB-C11-23-02 11/10/1999 0 - 1 ft.	SB-C11-24-04 11/9/1999 0 - 1 ft.	SB-C11-27-02 11/12/1999 0 - 1 ft.	SB-C11-30-01 11/5/1999 0 - 1 ft.	SB-C11-30-05 11/5/1999 0 - 1 ft.	SB-C11-30-06 11/12/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 UJ	370 U	410 U	400 U	410 U	420 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	370 U	370 U	410 U	400 UJ	410 UJ	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	370 U	370 U	130 J	170 J	410 U	74 J
FLUORENE	UG/KG	100000	2300000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	370 UJ	370 U	410 U	400 U	410 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	370 UJ	370 U	410 U	400 U	410 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	370 UJ	370 U	410 U	400 U	410 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	370 U	370 U	410 U	400 UJ	410 UJ	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 UJ	370 U	370 UJ	410 U	400 U	410 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	370 UJ	370 UJ	410 U	400 U	410 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	1900 U	1800 U	2000 U	2000 U	2000 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 U	370 U	370 U	72 J	86 J	410 U	32 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	370 U	370 U	410 U	400 U	410 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	370 U	370 UJ	370 U	120 J	160 J	410 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-4-09 11/11/1999 0 - 1.5 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-19 11/11/1999 0 - 2 ft.	SB-C11-4-20 11/11/1999 0 - 1 ft.	SB-C11-4A-01 11/5/1999 0 - 2 ft.	SB-C11-4A-02 6/30/2000 0 - 2 ft.	SB-C11-4B-01 11/5/1999 0 - 2 ft.	SB-C11-7-02 11/12/1999 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	490 UJ	430 U	440 U	390 UJ	390 U	NR	410 U	370 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 UJ	2100 UJ	2200 UJ	1900 UJ	1900 U	782 U	2000 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	490 U	**86 J**	440 U	**157 J**	390 U	391 U	410 U	**327 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	NR	410 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	980 U	850 U	880 U	780 U	780 U	782 UJ	810 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2500 UJ	2100 UJ	2200 UJ	1900 UJ	1900 U	782 U	2000 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2500 U	2100 U	2200 U	1900 U	1900 U	NR	2000 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	490 U	430 U	440 U	28 J	390 U	391 U	410 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	490 UJ	430 UJ	440 UJ	390 UJ	390 U	391 U	410 U	370 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	490 U	120 J	440 U	180 J	390 U	391 U	410 U	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	56 J	130 J	43 J	170 J	390 U	391 U	410 U	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	490 UJ	300 J	440 U	210 J	390 U	391 U	410 U	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	490 U	140 J	440 U	200 J	390 U	391 U	410 U	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	490 U	72 J	440 U	110 J	390 U	391 U	410 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	391 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	36 J	27 J	30 J	35 J	390 U	391 U	210 J	52 J
CHRYSENE	UG/KG	500000	9000	40000	60 J	280 J	44 J	290 J	390 U	391 U	410 U	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	260 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-4-09 11/11/1999 0 - 1.5 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-19 11/11/1999 0 - 2 ft.	SB-C11-4-20 11/11/1999 0 - 1 ft.	SB-C11-4A-01 11/5/1999 0 - 2 ft.	SB-C11-4A-02 6/30/2000 0 - 2 ft.	SB-C11-4B-01 11/5/1999 0 - 2 ft.	SB-C11-7-02 11/12/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	490 U	430 U	440 U	140 J	390 UJ	391 U	410 UJ	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	490 U	100 J	440 U	310 J	390 U	391 U	410 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	490 U	430 U	440 U	390 U	390 U	NR	410 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	490 UJ	430 U	440 U	390 UJ	390 U	391 UJ	410 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	490 U	120 J	440 U	160 J	390 UJ	391 U	410 UJ	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	490 U	430 UJ	440 UJ	390 U	390 U	391 U	410 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	490 U	430 U	440 U	52 J	390 U	391 U	410 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2500 U	2100 U	2200 U	1900 U	1900 U	782 U	2000 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	490 U	41 J	440 U	310 J	390 U	391 U	410 U	370 U
PHENOL	UG/KG	50000	10000000	10000000	490 U	430 U	440 U	390 U	390 U	391 U	410 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	490 U	130 J	440 U	370 J	390 U	391 U	410 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.	SB-C11-N3-02 6/30/2000 0 - 1 ft.	SB-C11-N3-03 11/10/1999 0 - 1 ft.	SB-D10-1-02 11/12/1999 0 - 1 ft.	SB-D10-10-01 11/16/1999 0 - 1 ft.	SB-D10-10-04 11/12/1999 0 - 1 ft.	SB-D10-11-01 11/22/1999 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 U	440 U	NR	410 U	380 U	390 UJ	390 U	420 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 UJ	2200 U	773 U	2000 U	1900 U	1900 UJ	2000 U	2100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	**5820**	387 U	410 U	380 U	**233 J**	390 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	440 U	NR	410 U	380 U	390 U	390 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	880 U	773 UJ	810 U	760 U	780 U	780 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 UJ	2200 U	773 U	2000 U	1900 U	1900 UJ	2000 U	2100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	2200 U	NR	2000 U	1900 U	1900 U	2000 U	2100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	180 J	387 U	410 U	380 U	390 U	390 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	22 J	300 J	38 J	410 U	380 U	390 U	390 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	66 J	720	148 J	410 U	380 U	43 J	25 J	420 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 UJ	390 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	640	**3200**	426	410 U	380 U	240 J	200 J	420 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**670**	**3200**	320 J	410 U	380 U	230 J	130 J	420 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	810	**3900**	394	410 U	380 U	300 J	140 J	420 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	880	2200	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	175 J	410 U	380 U	110 J	130 J	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	260 J	**1200**	111 J	410 U	380 U	160 J	390 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	440 U	387 U	410 U	380 UJ	390 U	390 UJ	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	440 U	387 U	410 U	380 U	390 UJ	390 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	387 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	440 U	387 U	410 U	52 J	37 J	130 J	71 J
CHRYSENE	UG/KG	500000	9000	40000	710	2800	384 J	410 U	380 U	240 J	140 J	420 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	85 J	440 U	387 U	410 U	260 U	390 U	140 U	45 J

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.	SB-C11-N3-02 6/30/2000 0 - 1 ft.	SB-C11-N3-03 11/10/1999 0 - 1 ft.	SB-D10-1-02 11/12/1999 0 - 1 ft.	SB-D10-10-01 11/16/1999 0 - 1 ft.	SB-D10-10-04 11/12/1999 0 - 1 ft.	SB-D10-11-01 11/22/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	440 U	387 U	410 U	380 UJ	390 UJ	390 UJ	420 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 J	560	387 U	410 UJ	380 U	390 U	390 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	720	8500 !D	786	410 U	380 U	500	330 J	420 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	190 J	30 J	410 U	380 U	390 U	390 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	440 U	NR	410 U	380 U	390 U	390 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	440 U	387 UJ	410 UJ	380 U	390 U	390 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	530	**1900**	150 J	410 UJ	380 U	100 J	96 J	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 UJ	440 U	387 U	410 U	380 U	390 U	390 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 UJ	440 U	387 U	410 U	380 U	390 UJ	390 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	83 J	387 U	410 U	380 U	390 U	390 U	420 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	2200 U	773 U	2000 U	1900 U	1900 UJ	2000 U	2100 U
PHENANTHRENE	UG/KG	NA	NA	NA	350 J	4800	565	410 U	380 U	100 J	46 J	37 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	440 U	387 U	410 U	380 U	390 U	390 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	760	5800 !D	783	410 U	380 U	420	370 J	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-11-03 7/21/2000 0 - 1.5 ft.	SB-D10-14-03 6/29/2000 0 - 2 ft.	SB-D10-14-05 11/16/1999 0 - 1 ft.	SB-D10-15-03 11/11/1999 0 - 1 ft.	SB-D10-16-02 6/29/2000 0 - 1.25 ft.	SB-D10-16-03 11/19/1999 0 - 1 ft.	SB-D10-164B-01 11/30/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	386 U	NR	370 U	350 UJ	NR	370 U	400 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	773 U	743 U	1800 U	1800 UJ	730 U	1800 UJ	2000 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	386 UJ	372 U	**136 J**	350 U	365 U	370 U	400 UJ
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	386 U	NR	370 U	350 U	NR	370 U	400 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	773 U	743 U	730 U	710 U	730 UJ	740 UJ	800 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	773 U	743 U	1800 U	1800 UJ	730 U	1800 U	2000 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	773 U	NR	1800 U	1800 U	NR	1800 U	2000 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	386 U	372 U	370 U	40 J	365 U	370 U	400 UJ
BENZIDINE	UG/KG	NA	NA	NA	386 UJ	372 U	370 U	350 UJ	365 UJ	370 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	386 U	372 U	370 U	96 J	43.8 J	370 UJ	400 UJ
BENZO(a)PYRENE	UG/KG	100000	660	660	386 U	372 U	370 U	84 J	42.4 J	370 U	400 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	386 U	372 U	370 U	110 J	365 U	370 U	400 UJ
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	386 U	372 U	370 U	97 J	365 U	370 U	400 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	386 U	372 U	370 U	310 J	365 U	370 UJ	41 J
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	372 U	NR	NR	365 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	30.5 J	140 J	45 J	700	47.8 J	370 UJ	67 J
CHRYSENE	UG/KG	500000	9000	40000	386 U	372 U	370 U	99 J	40.9 J	370 UJ	53 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	386 U	372 U	370 U	67 J	38.3 J	370 UJ	76 J

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-11-03 7/21/2000 0 - 1.5 ft.	SB-D10-14-03 6/29/2000 0 - 2 ft.	SB-D10-14-05 11/16/1999 0 - 1 ft.	SB-D10-15-03 11/11/1999 0 - 1 ft.	SB-D10-16-02 6/29/2000 0 - 1.25 ft.	SB-D10-16-03 11/19/1999 0 - 1 ft.	SB-D10-164B-01 11/30/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	386 UJ	372 U	370 U	350 U	365 U	370 U	400 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	386 U	372 U	370 U	81 J	365 U	370 U	41 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	386 U	372 U	370 U	190 J	365 U	370 UJ	400 UJ
FLUORENE	UG/KG	100000	2300000	10000000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	386 U	NR	370 U	350 U	NR	370 U	400 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	386 U	372 UJ	370 U	350 UJ	365 UJ	370 UJ	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	386 U	372 U	370 U	85 J	365 U	370 U	400 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	386 U	372 U	370 U	350 U	365 U	200 J	400 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	386 U	372 U	370 U	350 U	365 U	370 UJ	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	386 U	372 U	370 U	350 U	365 UJ	370 UJ	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	386 U	NR	370 U	350 U	NR	370 U	400 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	386 U	372 U	370 U	350 U	365 U	370 U	400 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	773 U	743 U	1800 U	1800 U	730 U	1800 U	2000 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	386 U	372 U	370 U	180 J	365 U	970	59 J
PHENOL	UG/KG	50000	10000000	10000000	386 U	372 U	370 U	350 U	365 U	370 UJ	400 UJ
PYRENE	UG/KG	100000	1700000	10000000	386 U	372 U	370 U	230 J	365 U	370 UJ	400 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-164B-02 11/16/1999 0 - 1 ft.	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-02 11/12/1999 0 - 1 ft.	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2041-05 11/12/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	410 U	370 U	393 U	370 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	410 U	370 U	393 U	370 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	410 U	370 UJ	NR	370 U	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	410 U	370 U	393 U	370 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	410 U	370 U	393 U	370 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2000 U	1900 U	787 U	1800 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**20 J**	370 U	393 U	370 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	410 U	370 U	393 U	370 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	410 U	370 U	393 U	370 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	410 U	370 U	NR	370 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	810 U	750 UJ	787 U	730 U	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	1900 U	787 U	1800 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	410 U	370 U	393 U	370 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	410 U	370 U	393 U	370 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	2000 U	1900 U	NR	1800 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	21 J	140 J	370 U	393 U	51 J	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	410 U	370 U	1080	520	51 J
ANTHRACENE	UG/KG	100000	10000000	10000000	54 J	310 J	370 U	752	360 J	51 J
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	410 UJ	370 U	393 U	370 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	260 J	**1100**	69 J	**4800**	**2000**	460
BENZO(a)PYRENE	UG/KG	100000	660	660	250 J	**1100**	31 J	**8760**	**1500**	310 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	710 J	**1600**	67 J	**16100**	**6500**	670
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 UJ	360 J	370 UJ	4380	1100	170 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 UJ	570	370 U	**3090**	**2200**	270 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	410 U	370 UJ	393 U	370 UJ	380 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	410 U	370 U	393 U	370 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	410 U	370 U	393 U	370 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	393 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	92 J	51 J	560 J	144 J	88 J	70 J
CHRYSENE	UG/KG	500000	9000	40000	330 J	1100	73 J	6760	5700	400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	50 J	410 U	190 U	207 J	360 U	360 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-164B-02 11/16/1999 0 - 1 ft.	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-02 11/12/1999 0 - 1 ft.	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2041-05 11/12/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	410 UJ	370 UJ	393 U	370 UJ	380 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 UJ	110 J	370 UJ	**1630**	280 J	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	410 U	370 U	250 J	370 U	51 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 J	2000	370 U	2170	15000	680
FLUORENE	UG/KG	100000	2300000	10000000	400 U	93 J	370 U	393 U	80 J	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	410 U	370 U	NR	370 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	410 U	370 U	393 U	370 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	410 UJ	370 U	393 UJ	370 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	410 U	370 U	393 U	370 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 UJ	350 J	370 UJ	**4220**	**1100**	170 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	410 U	370 U	159 J	370 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	410 U	370 UJ	393 U	370 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	73 J	370 U	NR	370 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	41 J	370 U	393 U	49 J	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2000 U	1900 U	787 U	1800 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	300 J	1400	370 U	162 J	2500	90 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	410 U	370 U	393 U	370 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	450	2200	370 UJ	6020	11000	570

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2227-02 11/11/1999 0 - 1.5 ft.	SB-D10-2227E-01 11/11/1999 0 - 2 ft.	SB-D10-2227E-02 6/29/2000 0 - 2 ft.	SB-D10-2228-01 11/18/1999 0 - 1 ft.	SB-D10-2230-03 11/12/1999 0 - 0.5 ft.	SB-D10-2230A-03 11/12/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	360 U	359 U	370 U	370 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 UJ	360 UJ	NR	370 U	370 U	370 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	360 U	359 U	370 U	370 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	360 U	359 U	370 U	370 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 UJ	1800 UJ	718 U	1900 U	1800 U	1800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	360 U	359 U	370 U	370 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	360 U	359 U	370 U	370 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	360 U	NR	370 U	370 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	720 U	718 U	750 U	730 U	730 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 UJ	1800 U	718 U	1900 U	1800 U	1800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	1800 U	NR	1900 U	1800 U	1800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	24 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	360 U	359 U	370 U	370 U	23 J
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	360 UJ	359 U	370 U	370 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	34 J	359 U	71 J	81 J	170 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	38 J	359 U	72 J	370 U	130 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 UJ	360 UJ	359 U	99 J	120 J	210 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	370 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	360 U	359 U	NR	370 U	370 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	360 U	359 U	370 U	370 U	140 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	360 U	359 U	370 U	370 UJ	370 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	360 U	359 U	370 U	370 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	359 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2500	41 J	19 J	420	22000 J	510 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	41 J	359 U	52 J	56 J	150 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	65 J	360 U	359 U	370 U	1700 B	250 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2227-02 11/11/1999 0 - 1.5 ft.	SB-D10-2227E-01 11/11/1999 0 - 2 ft.	SB-D10-2227E-02 6/29/2000 0 - 2 ft.	SB-D10-2228-01 11/18/1999 0 - 1 ft.	SB-D10-2230-03 11/12/1999 0 - 0.5 ft.	SB-D10-2230A-03 11/12/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	360 U	359 U	370 U	370 UJ	370 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	360 U	359 U	370 U	370 U	370 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	360 U	359 U	370 U	110 J	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	360 U	359 U	100 J	73 J	200 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	360 U	NR	370 U	370 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	360 U	359 U	370 U	370 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	360 UJ	359 UJ	370 U	370 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	360 U	359 U	370 U	370 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	360 U	359 U	370 U	370 U	100 J
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	360 U	79.3 J	370 U	370 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	360 U	359 U	370 U	370 U	370 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	83 J	NR	370 U	370 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	360 U	359 U	370 U	370 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	1800 U	718 U	1900 U	1800 U	1800 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	29 J	359 U	46 J	23 J	47 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	360 U	359 U	370 U	370 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	360 U	359 U	100 J	94 J	270 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2231-03 11/18/1999 0 - 1 ft.	SB-D10-2233-02 6/29/2000 0 - 1.5 ft.	SB-D10-2233-04 11/19/1999 0 - 1.5 ft.	SB-D10-2233A-01 11/18/1999 0 - 2 ft.	SB-D10-2233A-02 6/29/2000 0 - 2 ft.	SB-D10-2233B-02 6/29/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	381 U	3800 U	370 U	387 U	375 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	381 U	3800 U	370 U	387 U	375 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	NR	3800 U	370 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	381 U	3800 U	370 U	387 U	375 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	381 U	3800 U	370 U	387 U	375 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	762 U	19000 UJ	1900 U	774 U	750 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	381 U	3800 U	370 U	387 U	375 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	381 U	3800 U	370 U	387 U	375 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	381 U	3800 U	370 U	387 U	375 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	NR	3800 U	370 U	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	762 UJ	7600 U	750 U	774 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	762 U	19000 U	1900 U	774 U	750 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	381 U	3800 U	370 U	387 U	375 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	381 U	3800 U	370 U	387 U	375 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	NR	19000 U	1900 U	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	40 J	381 U	3800 U	370 U	387 U	375 U
ANTHRACENE	UG/KG	100000	10000000	10000000	63 J	381 U	3800 U	370 U	387 U	375 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	381 UJ	3800 U	370 U	387 UJ	375 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460	381 U	3800 U	35 J	41 J	375 U
BENZO(a)PYRENE	UG/KG	100000	660	660	340 J	381 U	3800 U	370 U	387 U	375 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	560	381 U	3800 U	370 U	387 U	375 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	220 J	NR	NR	370 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	381 U	3800 U	NR	387 U	375 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	250 J	381 U	3800 U	370 U	387 U	375 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	381 U	3800 U	370 U	387 U	375 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	381 U	3800 U	370 U	387 U	375 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	381 U	NR	NR	387 U	375 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	**57000 #D**	381 U	1100 DJ	32 J	387 U	375 U
CHRYSENE	UG/KG	500000	9000	40000	400	381 U	3800 U	370 U	387 U	375 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	48 J	52.2 J	3800 UJ	370 U	387 U	375 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2231-03 11/18/1999 0 - 1 ft.	SB-D10-2233-02 6/29/2000 0 - 1.5 ft.	SB-D10-2233-04 11/19/1999 0 - 1.5 ft.	SB-D10-2233A-01 11/18/1999 0 - 2 ft.	SB-D10-2233A-02 6/29/2000 0 - 2 ft.	SB-D10-2233B-02 6/29/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	381 U	3800 U	370 U	387 U	375 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	620	381 U	3800 UJ	370 U	387 U	375 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	NR	3800 U	370 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	381 U	3800 U	370 U	387 U	375 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	381 UJ	3800 UJ	370 U	387 U	375 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	381 U	3800 U	370 U	387 U	375 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	230 J	381 U	3800 U	370 U	387 U	375 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	381 U	3800 U	370 U	387 U	375 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	381 U	3800 UJ	370 U	387 U	375 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	381 UJ	3800 UJ	370 U	387 U	375 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	NR	3800 U	370 U	387 U	375 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	381 U	3800 U	370 U	387 U	375 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	762 U	19000 U	1900 U	774 U	750 U
PHENANTHRENE	UG/KG	NA	NA	NA	95 J	381 U	1200 DJ	370 U	387 U	375 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	381 U	3800 UJ	370 U	387 U	375 U
PYRENE	UG/KG	100000	1700000	10000000	1000	381 U	3800 U	370 U	387 U	375 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2233B-03 11/19/1999 0 - 1 ft.	SB-D10-2233C-01 11/18/1999 0 - 1 ft.	SB-D10-2233C-02 6/29/2000 0 - 2 ft.	SB-D10-2233D-02 6/29/2000 0 - 1.25 ft.	SB-D10-2233D-03 11/19/1999 0 - 2 ft.	SB-D10-2233E-02 11/18/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	360 U	378 U	369 U	370 UJ	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	360 U	360 U	NR	NR	370 U	370 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	360 U	378 U	369 U	370 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	360 U	378 U	369 U	370 UJ	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1800 UJ	1800 U	756 U	737 U	1900 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	360 U	378 U	369 U	370 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	360 U	378 U	369 U	370 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	360 U	NR	NR	370 UJ	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 U	720 U	756 U	737 U	740 UJ	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1800 U	1800 U	756 U	737 U	1900 UJ	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 UJ	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1800 U	1800 U	NR	NR	1900 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U
BENZIDINE	UG/KG	NA	NA	NA	360 U	360 U	378 UJ	369 UJ	370 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	360 U	360 U	59.8 J	39.8 J	370 UJ	31 J
BENZO(a)PYRENE	UG/KG	100000	660	660	360 U	360 U	49.5 J	369 U	370 U	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 U	360 U	67.3 J	369 U	370 U	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	360 U	NR	NR	NR	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	NR	378 U	369 U	370 U	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	360 U	378 U	369 U	370 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	370 UJ	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	360 U	378 U	369 U	370 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	378 U	369 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	58 J	150 J	378 U	369 U	370 UJ	64 J
CHRYSENE	UG/KG	500000	9000	40000	360 U	360 U	378 U	369 U	370 UJ	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	34 J	360 U	378 U	369 U	370 UJ	370 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2233B-03 11/19/1999 0 - 1 ft.	SB-D10-2233C-01 11/18/1999 0 - 1 ft.	SB-D10-2233C-02 6/29/2000 0 - 2 ft.	SB-D10-2233D-02 6/29/2000 0 - 1.25 ft.	SB-D10-2233D-03 11/19/1999 0 - 2 ft.	SB-D10-2233E-02 11/18/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	360 U	378 U	369 U	370 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	360 U	378 U	369 U	370 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	360 UJ	360 U	82.8 J	369 U	370 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	360 U	NR	NR	370 UJ	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	360 U	378 U	369 U	370 UJ	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 UJ	360 U	378 UJ	369 UJ	370 UJ	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	360 U	378 U	369 U	370 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	360 U	378 U	369 U	370 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	360 U	378 U	369 U	300 J	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 UJ	360 U	378 U	369 U	370 UJ	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 UJ	360 U	378 U	369 U	370 UJ	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 U	360 U	378 U	369 U	370 UJ	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	360 U	378 U	369 U	370 UJ	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1800 U	1800 U	756 U	737 U	1900 UJ	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 U	360 U	378 U	369 U	860 J	370 U
PHENOL	UG/KG	50000	10000000	10000000	360 UJ	360 U	378 UJ	369 U	370 UJ	370 U
PYRENE	UG/KG	100000	1700000	10000000	360 U	360 U	378 U	369 U	370 UJ	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2349-02 11/12/1999 0 - 1.5 ft.	SB-D10-241B-03 11/19/1999 0 - 1.5 ft.	SB-D10-251-02 11/17/1999 0 - 0.75 ft.	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-5-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8-02 11/16/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 UJ	400 U	430 UJ	410 U	390 UJ	490 UJ	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 U	2000 UJ	2100 U	2100 U	2000 U	2500 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 UJ	800 U	860 U	820 U	780 UJ	980 J	760 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 U	2000 U	2100 U	2100 U	2000 U	2500 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 U	2000 U	2100 U	2100 U	2000 U	2500 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	360 J	430 U	150 J	47 J	330 J	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	360 J	430 U	120 J	53 J	810	380 U
BENZIDINE	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	140 J	**2600**	65 J	**1100**	230 J	**2600**	55 J
BENZO(a)PYRENE	UG/KG	100000	660	660	96 J	**2000**	71 J	**930**	170 J	**1900**	67 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	190 J	**3400**	110 J	**2100**	400	**2500**	180 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 UJ	1300	430 U	610	390 UJ	890 J	380 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	**1500**	430 U	610	190 J	710	380 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	400 U	430 U	410 UJ	390 UJ	490 J	380 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	400 U	430 U	410 U	390 U	490 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	400 U	430 UJ	410 U	390 U	490 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	89 J	860	67 J	130 J	120 J	320 J	96 J
CHRYSENE	UG/KG	500000	9000	40000	130 J	2600	98 J	1200	260 J	1700	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	250 U	400 UJ	100 J	100 U	270 U	120 U	380 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2349-02 11/12/1999 0 - 1.5 ft.	SB-D10-241B-03 11/19/1999 0 - 1.5 ft.	SB-D10-251-02 11/17/1999 0 - 0.75 ft.	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-5-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8-02 11/16/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	400 U	430 U	410 UJ	390 UJ	490 UJ	380 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 UJ	450	430 U	180 J	390 UJ	370 J	380 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	140 J	2200 J	97 J	1600	280 J	3700	110 J
FLUORENE	UG/KG	100000	2300000	10000000	370 U	400 U	430 U	410 U	390 U	160 J	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	400 UJ	430 U	410 U	390 U	490 U	380 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	400 U	430 U	410 U	390 U	490 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	75 J	**1500**	430 U	550	130 J	880 J	380 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	3700	430 U	410 U	390 U	490 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	400 UJ	430 UJ	410 U	390 U	490 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	400 UJ	430 U	410 U	390 UJ	490 UJ	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	400 U	430 U	77 J	390 U	490 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	39 J	430 U	410 U	390 U	490 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	2000 U	2100 U	2100 U	2000 U	2500 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	40 J	790	60 J	280 J	64 J	2500	91 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	400 U	430 UJ	410 U	390 U	490 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	200 J	3600 UJ	430 U	1600	380 J	3600 J	220 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-8234-02 11/16/1999 0 - 1 ft.	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D10-9119-01 11/19/1999 0 - 1 ft.	SB-D10-9119-02 6/29/2000 0 - 2 ft.	SB-D10-N4-01 11/12/1999 0 - 1 ft.	SB-D11-112-01 9/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 U	390 U	370 U	379 U	370 U	356 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 U	390 U	370 U	379 U	370 U	356 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3800 U	390 U	370 U	NR	370 UJ	356 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 U	390 U	370 U	379 U	370 U	356 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 U	390 U	370 U	379 U	370 U	356 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	19000 U	1900 U	1900 UJ	758 U	1900 U	711 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 U	**131 J**	370 U	379 U	370 U	356 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 U	390 U	370 U	379 U	370 U	356 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 U	390 U	370 U	379 U	370 U	356 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 U	390 U	370 U	NR	370 U	356 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7700 U	780 U	750 UJ	758 U	750 UJ	711 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	19000 U	1900 U	1900 U	758 U	1900 U	711 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	390 U	370 U	379 U	370 U	356 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	390 U	370 U	379 U	370 U	356 U
4-NITROPHENOL	UG/KG	NA	NA	NA	19000 U	1900 U	1900 U	NR	1900 U	711 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 U	59 J	370 U	379 U	370 U	356 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 U	430	370 U	379 U	370 U	356 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 U	480	370 U	379 U	370 U	356 U
BENZIDINE	UG/KG	NA	NA	NA	3800 UJ	390 UJ	370 U	379 U	370 U	356 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3800 U	**4200**	64 J	379 U	66 J	356 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3800 UJ	**3800 J**	45 J	379 U	45 J	356 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3800 UJ	**7000 J**	140 J	379 U	61 J	356 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 UJ	1200 J	83 J	379 U	370 UJ	356 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 UJ	**2200 J**	370 U	379 U	370 U	356 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 U	390 U	370 UJ	379 U	370 UJ	356 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 U	390 U	370 U	379 U	370 U	356 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 U	390 U	370 U	379 U	370 U	356 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	379 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	90 J	2500 J	230 J	820 J	23.8 J
CHRYSENE	UG/KG	500000	9000	40000	3800 U	4500	110 J	379 U	46 J	356 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3800 U	40 J	370 UJ	79.6 J	210 U	356 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-8234-02 11/16/1999 0 - 1 ft.	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D10-9119-01 11/19/1999 0 - 1 ft.	SB-D10-9119-02 6/29/2000 0 - 2 ft.	SB-D10-N4-01 11/12/1999 0 - 1 ft.	SB-D11-112-01 9/27/2000 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	390 UJ	370 U	379 U	370 UJ	356 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 UJ	510 J	370 U	379 U	370 UJ	356 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	62 J	370 U	379 U	370 U	356 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	390 U	370 U	379 U	370 U	356 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 U	3900	79 J	379 U	370 U	356 U
FLUORENE	UG/KG	100000	2300000	10000000	3800 U	89 J	370 U	379 U	370 U	356 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 U	390 U	370 U	NR	370 U	356 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 U	390 U	370 U	379 U	370 U	356 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 UJ	390 UJ	370 UJ	379 UJ	370 U	356 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 U	390 U	370 U	379 U	370 U	356 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 UJ	**1300 J**	370 U	379 U	370 UJ	356 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 U	390 U	110 J	379 U	370 U	356 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 U	390 U	370 UJ	379 U	370 U	356 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 U	390 U	370 UJ	379 U	370 UJ	356 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 U	62 J	370 U	NR	370 U	356 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 U	290 J	370 U	379 U	370 U	356 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	19000 U	1900 U	1900 U	758 U	1900 U	711 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 U	840	780	379 U	23 J	356 U
PHENOL	UG/KG	50000	10000000	10000000	3800 U	390 U	370 UJ	33 J	370 U	356 U
PYRENE	UG/KG	100000	1700000	10000000	3800 U	5000	97 J	379 U	96 J	356 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-112-05 7/13/2000 0 - 0.75 ft.	SB-D11-20-01 11/18/1999 0 - 0.8 ft.	SB-D11-3-02 11/5/1999 0 - 1 ft.	SB-D9-2-01 6/29/2000 0 - 2 ft.	SB-D9-2-04 11/18/1999 0 - 1 ft.	SB-D9-2229-01 11/11/1999 0 - 0.5 ft.	SB-D9-2229-05 6/29/2000 0 - 0.75 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	370 U	360 U	NR	370 U	360 UJ	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	685 UJ	1900 U	1800 U	730 U	1900 U	1800 U	746 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	370 U	360 U	NR	370 U	360 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	685 U	730 U	720 U	730 U	750 U	720 U	746 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	685 U	1900 U	1800 U	730 U	1900 U	1800 UJ	746 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1900 U	1800 U	NR	1900 U	1800 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
ANTHRACENE	UG/KG	100000	10000000	10000000	343 U	370 U	27 J	365 U	370 U	360 U	373 U
BENZIDINE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 UJ	373 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	343 U	42 J	200 J	365 U	43 J	360 U	373 U
BENZO(a)PYRENE	UG/KG	100000	660	660	343 U	47 J	170 J	32.5 J	370 U	360 U	373 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	343 U	63 J	190 J	365 U	63 J	360 UJ	373 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	370 U	NR	NR	370 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	343 U	NR	110 J	365 U	NR	360 U	373 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	343 U	370 U	110 J	365 U	370 U	360 U	373 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	343 U	NR	NR	365 U	NR	NR	373 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	51.19 J	25 J	3400	33.6 J	780	48 J	28.7 J
CHRYSENE	UG/KG	500000	9000	40000	343 U	69 J	160 J	365 U	54 J	360 U	373 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	45.69 J	370 U	89 J	365 U	370 U	360 U	373 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-112-05 7/13/2000 0 - 0.75 ft.	SB-D11-20-01 11/18/1999 0 - 0.8 ft.	SB-D11-3-02 11/5/1999 0 - 1 ft.	SB-D9-2-01 6/29/2000 0 - 2 ft.	SB-D9-2-04 11/18/1999 0 - 1 ft.	SB-D9-2229-01 11/11/1999 0 - 0.5 ft.	SB-D9-2229-05 6/29/2000 0 - 0.75 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	343 U	370 U	360 UJ	365 U	370 U	360 U	373 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	343 U	66 J	310 J	365 U	81 J	360 U	373 U
FLUORENE	UG/KG	100000	2300000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	370 U	360 U	NR	370 U	360 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	343 UJ	370 U	360 U	365 UJ	370 U	360 UJ	373 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	343 U	370 U	93 J	365 U	370 U	360 U	373 U
ISOPHORONE	UG/KG	50000	1100000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	343 U	370 U	360 U	144 J	370 U	360 U	373 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	343 U	370 U	360 U	365 U	370 U	360 U	373 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	343 U	370 U	360 U	NR	370 U	360 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	685 U	1900 U	1800 U	730 U	1900 U	1800 U	746 U
PHENANTHRENE	UG/KG	NA	NA	NA	343 U	41 J	130 J	365 U	42 J	360 U	373 U
PHENOL	UG/KG	50000	10000000	10000000	343 U	370 U	360 U	365 U	370 U	360 U	373 U
PYRENE	UG/KG	100000	1700000	10000000	343 U	370 U	330 J	365 U	96 J	360 U	373 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-3-01 6/29/2000 0 - 1 ft.	SB-D9-3-02 11/11/1999 0 - 1 ft.	SB-D9-4-03 11/10/1999 0 - 1 ft.	SB-D9-5-02 6/29/2000 0 - 1 ft.	SB-D9-5-05 11/11/1999 0 - 1.5 ft.	SB-D9-8279-01 11/19/1999 0 - 1 ft.	SB-D9-8284-03 7/21/2000 0.5 - 2.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	356 U	360 U	380 U	409 U	400 U	360 UJ	195 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	517 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 U	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	517 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	517 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	360 UJ	380 U	NR	400 UJ	360 UJ	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	356 U	360 U	380 U	409 U	400 U	360 U	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	713 U	1800 UJ	1900 U	817 U	2000 UJ	1800 UJ	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	356 U	360 U	380 U	409 U	400 U	360 U	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 U	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	360 U	380 U	NR	400 U	360 UJ	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	713 U	720 U	770 U	817 U	800 U	720 U	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	713 U	1800 UJ	1900 U	817 U	2000 UJ	1800 U	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 U	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 U	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1800 U	1900 U	NR	2000 U	1800 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	356 U	360 U	380 U	409 U	400 U	41 J	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	91 J	NR
ANTHRACENE	UG/KG	100000	10000000	10000000	356 U	360 U	380 U	409 U	400 U	170 J	NR
BENZIDINE	UG/KG	NA	NA	NA	356 U	360 UJ	380 U	409 U	400 UJ	360 U	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	356 U	28 J	380 U	41.7 J	400 U	620	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	356 U	360 U	380 U	34.7 J	25 J	420 J	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	356 U	360 UJ	380 U	409 U	400 UJ	**990**	NR
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	250 J	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	356 U	360 U	380 U	409 U	400 U	340 J	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	356 U	360 U	380 U	409 U	400 U	360 U	NR
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	356 U	NR	NR	409 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	150 J	110 J	380 U	31.5 J	21 J	210 J	NR
CHRYSENE	UG/KG	500000	9000	40000	356 U	360 U	380 U	409 U	400 U	740	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-3-01 6/29/2000 0 - 1 ft.	SB-D9-3-02 11/11/1999 0 - 1 ft.	SB-D9-4-03 11/10/1999 0 - 1 ft.	SB-D9-5-02 6/29/2000 0 - 1 ft.	SB-D9-5-05 11/11/1999 0 - 1.5 ft.	SB-D9-8279-01 11/19/1999 0 - 1 ft.	SB-D9-8284-03 7/21/2000 0.5 - 2.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	356 U	360 U	380 U	409 U	400 U	360 U	NR
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	356 U	360 U	380 U	409 U	400 U	73 J	NR
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	356 U	360 U	380 U	409 U	400 U	360 U	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	356 U	360 U	380 U	409 U	400 U	360 U	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	356 U	360 U	380 U	409 U	400 U	2500 J	NR
FLUORENE	UG/KG	100000	2300000	10000000	356 U	360 U	380 U	409 U	400 U	89 J	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	360 U	380 U	NR	400 U	360 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	356 U	360 U	380 U	409 U	400 U	360 UJ	517 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	356 UJ	360 UJ	380 UJ	409 UJ	400 UJ	360 UJ	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	356 U	360 U	380 UJ	409 U	400 U	240 J	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	360 U	380 U	NR	400 U	360 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	356 U	360 U	380 U	409 U	400 U	360 UJ	517 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	713 U	1800 U	1900 U	817 U	2000 U	1800 U	NR
PHENANTHRENE	UG/KG	NA	NA	NA	356 U	33 J	380 U	409 U	26 J	1300	NR
PHENOL	UG/KG	50000	10000000	10000000	356 U	360 U	380 U	409 U	400 U	360 UJ	NR
PYRENE	UG/KG	100000	1700000	10000000	356 U	360 U	380 U	409 U	400 U	2700	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-8284-05 11/22/1999 0 - 0.5 ft.	SB-D9-9108-01 11/10/1999 0 - 0.5 ft.	SB-D9-9108-04 11/10/1999 0 - 1 ft.	SB-D9-9108-07 11/10/1999 0 - 1 ft.	SB-D9-9108-10 11/10/1999 0 - 0.5 ft.	SB-D9-N1-03 11/10/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	512 U	420 U	380 U	370 U	350 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	512 U	420 U	380 U	370 U	350 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	512 U	420 U	380 U	370 U	350 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	512 U	420 U	380 U	370 U	350 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	420 UJ	380 UJ	370 UJ	350 UJ	370 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	420 U	380 U	370 U	350 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	420 U	380 U	370 U	350 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	420 U	380 U	370 U	350 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	2100 U	1900 U	1900 U	1800 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	420 U	380 U	370 U	350 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	420 U	380 U	370 U	350 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	830 UJ	760 UJ	750 UJ	710 UJ	740 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	2100 U	1900 U	1900 U	1800 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	420 U	380 U	370 U	350 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2100 U	1900 U	1900 U	1800 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	420 U	380 U	370 U	70 J	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	33 J	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	420 U	380 U	370 U	250 J	370 U
BENZIDINE	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	61 J	62 J	120 J	**1400**	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	40 J	**1100**	96 J	**1300**	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	72 J	170 J	110 J	**1800**	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	420 U	710 J	370 U	1000	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	420 U	380 U	370 U	370	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	420 U	380 U	370 U	350 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	420 U	380 U	370 U	350 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	420 U	380 U	370 U	350 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	2800	380 UJ	370 U	350 U	84 J
CHRYSENE	UG/KG	500000	9000	40000	NR	54 J	110 J	110 J	1300	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	420 U	380 U	370 U	350 U	370 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-8284-05 11/22/1999 0 - 0.5 ft.	SB-D9-9108-01 11/10/1999 0 - 0.5 ft.	SB-D9-9108-04 11/10/1999 0 - 1 ft.	SB-D9-9108-07 11/10/1999 0 - 1 ft.	SB-D9-9108-10 11/10/1999 0 - 0.5 ft.	SB-D9-N1-03 11/10/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	420 UJ	380 UJ	370 UJ	350 UJ	370 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	420 U	420 J	370 U	300 J	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	420 U	380 U	370 U	350 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	420 U	380 U	370 U	350 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	420 U	380 U	170 J	2300	370 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	420 U	380 U	370 U	63 J	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	420 UJ	380 U	370 UJ	350 UJ	370 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	512 U	420 UJ	380 U	370 UJ	350 UJ	370 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	420 UJ	380 U	370 UJ	350 UJ	370 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	420 U	380 U	370 U	350 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	420 U	320 J	77 J	870	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	420 U	380 U	370 U	350 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	420 U	380 U	370 U	350 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	420 UJ	380 UJ	370 UJ	350 UJ	370 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	420 U	380 U	370 U	350 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	512 U	420 U	380 U	370 U	52 J	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	2100 U	1900 U	1900 U	1800 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	28 J	22 J	99 J	1400	370 U
PHENOL	UG/KG	50000	10000000	10000000	NR	420 U	380 U	370 U	350 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	NR	420 UJ	380 UJ	260 J	2900 J	370 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2031B-01 6/30/2000 0 - 1.5 ft.	SB-E10-2031B-04 11/12/1999 0 - 1 ft.	SB-E10-2031C-01 11/12/1999 0 - 1 ft.	SB-E10-2031C-03 6/30/2000 0 - 1.5 ft.	SB-E10-2169-03 11/18/1999 0 - 1 ft.	SB-E10-2169A-01 11/18/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	394 U	390 U	420 U	469 U	450 U	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	27 J	390 U	420 U	469 U	450 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	390 U	420 U	NR	450 U	360 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	394 U	390 U	420 U	469 U	450 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	394 U	390 U	420 U	469 U	450 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	787 U	1900 U	2100 U	938 U	2300 U	1800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	394 U	390 U	420 U	469 U	450 U	360 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	394 U	390 U	420 U	469 U	450 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U	420 U	NR	450 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	787 UJ	780 U	830 U	938 UJ	900 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	787 U	1900 U	2100 U	938 U	2300 U	1800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1900 U	2100 U	NR	2300 U	1800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	394 U	390 U	420 U	469 U	28 J	360 U
BENZIDINE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	394 U	57 J	32 J	37 J	46 J	360 U
BENZO(a)PYRENE	UG/KG	100000	660	660	394 U	50 J	420 U	28 U	450 U	360 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	394 U	73 J	420 U	469 U	310 J	360 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	450 U	360 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	394 U	390 U	420 U	469 U	450 U	360 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	394 U	390 UJ	420 UJ	469 U	450 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	394 U	390 U	420 U	469 U	450 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	394 U	NR	NR	469 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	20 J	140 J	200 J	107 J	11000	170 J
CHRYSENE	UG/KG	500000	9000	40000	394 U	60 J	420 U	469 U	270 J	360 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	394 U	90 U	91 U	469 U	200 J	52 J

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2031B-01 6/30/2000 0 - 1.5 ft.	SB-E10-2031B-04 11/12/1999 0 - 1 ft.	SB-E10-2031C-01 11/12/1999 0 - 1 ft.	SB-E10-2031C-03 6/30/2000 0 - 1.5 ft.	SB-E10-2169-03 11/18/1999 0 - 1 ft.	SB-E10-2169A-01 11/18/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	394 U	390 UJ	420 UJ	469 U	450 U	360 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	394 U	390 U	420 U	469 U	450 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	42 J	45 J	469 U	140 J	360 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	394 U	89 J	420 U	469 U	260 J	360 U
FLUORENE	UG/KG	100000	2300000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	420 U	NR	450 U	360 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	394 U	390 U	420 U	469 U	450 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	394 U	390 U	420 U	469 UJ	450 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	394 U	390 U	420 U	469 U	450 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	394 U	390 U	420 U	469 U	450 U	360 U
ISOPHORONE	UG/KG	50000	1100000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	394 U	390 U	420 U	469 U	450 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	394 U	390 U	420 U	469 U	450 U	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	394 U	390 U	420 U	469 U	450 U	360 U
NAPHTHALENE	UG/KG	100000	230000	4200000	394 U	390 U	420 U	469 U	450 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	787 U	1900 U	2100 U	938 U	2300 U	1800 U
PHENANTHRENE	UG/KG	NA	NA	NA	394 U	43 J	32 J	34 J	140 J	360 U
PHENOL	UG/KG	50000	10000000	10000000	394 U	390 U	420 U	469 U	450 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	394 U	120 J	420 U	469 U	390 J	360 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-2314-01 7/21/2000 0 - 2 ft.	SB-E10-2314-02 11/22/1999 0 - 2 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	404 U	412 U	410 U	390 U	500 U	530 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	404 U	412 U	410 UJ	390 U	500 U	530 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	412 U	410 U	390 UJ	500 UJ	530 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	404 U	412 U	410 U	390 U	500 U	530 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	404 U	412 U	410 U	390 U	500 U	530 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	808 U	824 U	2000 UJ	1900 U	2500 U	2600 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**126 J**	412 UJ	410 U	**600 J**	**100 J**	**282 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 U	500 U	530 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	404 U	412 U	410 U	390 U	500 U	530 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	412 U	410 U	390 U	500 U	530 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	808 UJ	824 U	810 U	780 U	1000 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	808 U	824 U	2000 UJ	1900 UJ	2500 U	2600 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 U	500 U	530 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 U	500 U	530 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	824 U	2000 UJ	1900 U	2500 U	2600 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 U	500 U	530 U
ANTHRACENE	UG/KG	100000	10000000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
BENZIDINE	UG/KG	NA	NA	NA	404 U	412 UJ	410 U	390 U	500 U	530 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	38 J	412 U	410 U	170 J	500 U	530 U
BENZO(a)PYRENE	UG/KG	100000	660	660	33 J	412 U	410 U	280 J	500 U	530 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	404 U	412 U	410 U	450	500 U	530 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	404 U	412 U	410 U	190 J	500 U	530 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	404 U	412 U	410 U	210 J	500 U	530 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	404 U	412 U	410 UJ	390 U	500 U	530 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 U	500 U	530 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	404 U	412 U	410 U	390 UJ	500 UJ	530 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	404 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	101 J	537	200 J	41 J	44 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	50.5 J	412 U	410 U	200 J	500 U	530 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	449	53.2 J	57 J	390 U	500 U	530 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-2314-01 7/21/2000 0 - 2 ft.	SB-E10-2314-02 11/22/1999 0 - 2 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	404 U	412 UJ	410 UJ	390 UJ	500 U	530 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	404 U	412 U	410 U	390 U	500 U	530 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	184 J	412 U	410 U	390 U	500 U	530 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	404 U	412 U	410 U	200 J	500 U	530 U
FLUORENE	UG/KG	100000	2300000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	412 U	410 U	390 U	500 U	530 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	404 U	412 U	410 U	390 U	500 U	530 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	404 UJ	412 U	410 U	390 U	500 U	530 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	404 U	412 U	410 U	390 U	500 U	530 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	404 U	412 U	410 U	150 J	500 U	530 U
ISOPHORONE	UG/KG	50000	1100000	10000000	404 U	412 U	410 U	390 U	500 U	530 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	404 U	412 U	410 U	390 UJ	500 UJ	530 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	404 U	412 U	410 U	390 UJ	500 U	530 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	404 U	412 U	410 U	390 U	500 U	530 U
NAPHTHALENE	UG/KG	100000	230000	4200000	404 U	412 U	410 UJ	390 U	500 U	530 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	808 U	824 U	2000 U	1900 UJ	2500 U	2600 U
PHENANTHRENE	UG/KG	NA	NA	NA	49.3 J	412 U	410 U	90 J	35 J	30 J
PHENOL	UG/KG	50000	10000000	10000000	404 U	412 U	410 U	390 UJ	500 UJ	530 UJ
PYRENE	UG/KG	100000	1700000	10000000	404 U	412 U	410 U	140 J	500 U	530 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	SB-E10-8277-01 11/12/1999 0 - 1 ft.	TP-C11-2233D-07 8/10/2000 3.5 - 5.5 ft.	TP-D10-13-01 8/9/2000 9 - 11 ft.	TP-E10-2031B-05 8/8/2000 1 - 3 ft.
Semi-Volatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 UJ	380 U	399 U	372 U	393 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 U	380 U	399 U	372 U	393 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 U	380 U	399 UJ	372 U	393 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 U	380 U	399 U	372 U	393 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 UJ	380 U	399 U	372 U	393 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 U	380 U	399 U	372 U	393 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 U	380 U	399 U	372 U	393 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 U	380 U	399 U	372 U	393 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	19000 U	1900 U	798 U	744 U	786 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**360 J**	380 U	399 U	372 U	393 UJ
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 UJ	380 U	399 U	372 U	393 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7600 U	770 U	798 U	744 U	786 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	19000 U	1900 U	798 U	744 U	786 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 U	380 U	399 U	372 U	393 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
4-NITROPHENOL	UG/KG	NA	NA	NA	19000 U	1900 U	798 UJ	744 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 UJ	380 U	399 U	372 U	393 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 U	380 U	399 U	372 U	393 U
BENZIDINE	UG/KG	NA	NA	NA	3800 U	380 U	399 UJ	372 U	393 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	590 J	83 J	47.1 J	372 U	393 U
BENZO(a)PYRENE	UG/KG	100000	660	660	580 J	49 J	37.9 J	372 U	393 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**910 J**	120 J	399 U	372 U	393 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 U	380 U	399 U	372 U	393 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 U	380 UJ	399 U	372 U	393 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 U	380 U	399 U	372 U	393 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	393 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	230 J	24.7 J	25.7 J	393 U
CHRYSENE	UG/KG	500000	9000	40000	630 J	78 J	399 U	372 U	393 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3800 U	430 B	399 U	372 U	393 U

Table 5-3B

Analytical Results
NG Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	SB-E10-8277-01 11/12/1999 0 - 1 ft.	TP-C11-2233D-07 8/10/2000 3.5 - 5.5 ft.	TP-D10-13-01 8/9/2000 9 - 11 ft.	TP-E10-2031B-05 8/8/2000 1 - 3 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 U	380 UJ	399 U	372 U	393 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 U	380 U	399 U	372 U	393 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	55 J	399 U	372 U	393 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	380 U	399 U	372 U	393 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	790 J	110 J	399 U	372 U	393 U
FLUORENE	UG/KG	100000	2300000	10000000	3800 U	380 U	399 U	372 U	393 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 U	380 U	399 UJ	372 U	393 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 U	380 U	399 U	372 U	393 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 U	380 U	399 U	372 U	393 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 U	380 U	399 UJ	372 U	393 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 U	380 U	399 U	372 U	393 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 U	380 U	399 U	372 U	393 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 UJ	380 U	399 UJ	372 U	393 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 U	380 U	399 U	372 U	393 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 U	380 U	399 U	372 U	393 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 U	380 U	399 U	372 U	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	19000 U	1900 U	798 U	744 U	786 U
PHENANTHRENE	UG/KG	NA	NA	NA	280 J	39 J	399 U	372 U	393 U
PHENOL	UG/KG	50000	10000000	10000000	3800 UJ	380 U	399 U	372 U	393 U
PYRENE	UG/KG	100000	1700000	10000000	3800 U	110 J	399 U	372 U	393 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-1-08 11/10/1999 0 - 1 ft.	SB-B11-1-11 11/10/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	210 J	643468 U	700869 U	250 U	220 U	210 U	150 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**270 J**	643468 U	700869 U	250 U	220 U	210 U	150 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**1900**	**22600000 D**	**28900000 D**	250 U	220 U	210 U	**85 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**2200 J**	643468 U	700869 U	250 U	220 U	**230 J**	150 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**2500 J**	643468 U	700869 U	250 U	220 U	300 R	**270 J**
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	1600 R	643468 U	700869 U	250 U	220 U	150 R	200 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	643468 U	700869 U	250 U	220 U	120 J	150 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	126 J
NITROGLYCERIN	UG/KG	NA	46000	200000	4900 UJ	1400000 U	1300000 U	4500 U	4900 U	4800 U	2800
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U
TETRYL	UG/KG	NA	780000	10000000	480 U	1290000 U	1400000 U	500 U	430 U	420 U	310 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2044-04 11/9/1999 0 - 1.3 ft.	SB-B11-2044-05 11/9/1999 0 - 0.5 ft.	SB-B11-2044-06 11/9/1999 0 - 0.7 ft.	SB-B11-2044-08 11/9/1999 0 - 0.8 ft.	SB-B11-2044C-01 11/5/1999 0 - 2 ft.	SB-B11-2044C-05 11/5/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	130 U	130 U	140 UJ	130 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	130 U	140 UJ	130 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	130 U	140 UJ	130 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	130 U	130 U	140 UJ	130 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	130 U	160 R	130 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	270 U	270 U	290 UJ	270 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	270 U	270 U	290 UJ	270 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	130 U	130 U	120 R	130 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	270 U	270 U	290 UJ	270 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	270 U	270 U	290 UJ	270 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	130 U	130 U	140 UJ	130 U	370 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	94.3 J	116 J	407 J	150 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4800 U	4900 U	13000	4900 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	270 U	270 U	290 UJ	270 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	270 U	270 U	290 UJ	270 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-4-01 11/9/1999 0 - 1.7 ft.	SB-B11-4-02 11/9/1999 0 - 1 ft.	SB-B11-6-03 11/9/1999 0 - 1 ft.	SB-B11-9-02 11/5/1999 0 - 2 ft.	SB-B11-9-03 6/30/2000 0 - 1 ft.	SB-C10-10-01 11/16/1999 0 - 2 ft.	SB-C10-10-02 6/30/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	409 U	NR	360 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	818 U	NR	721 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	460 U	560 U	390 U	460 U	409 U	350 U	360 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-12-03 11/16/1999 0 - 1 ft.	SB-C10-13-01 11/19/1999 0 - 1.5 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-211C-07 11/16/1999 0 - 1 ft.	SB-C10-241A-03 11/18/1999 0 - 0.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	220 U	NR	230 U	210 U	220 U	182 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 U	NR	230 U	210 U	220 U	182 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	220 U	NR	230 U	210 U	220 U	182 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	220 U	NR	230 U	**2600**	220 U	182 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	220 U	NR	230 U	210 U	220 U	182 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	NR	450 U	420 U	430 U	364 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	430 U	NR	450 U	420 U	430 U	364 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	220 U	NR	230 U	210 U	220 U	182 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	NR	450 U	420 U	430 U	364 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	430 U	NR	450 U	420 U	430 U	364 U
NITROBENZENE	UG/KG	10000	39000	510000	220 U	360 J	230 U	210 U	220 U	182 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4500 U	NR	4500 U	4900 U	4700 U	7500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	430 U	NR	450 U	420 U	430 U	364 U
TETRYL	UG/KG	NA	780000	10000000	430 U	NR	450 U	420 U	430 U	364 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-241A-05 6/30/2000 0 - 1.5 ft.	SB-C10-241C-03 6/30/2000 0 - 2 ft.	SB-C10-241C-04 11/16/1999 0 - 2 ft.	SB-C10-5-01 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-05 11/18/1999 0 - 1.5 ft.	SB-C11-1-09 11/18/1999 0 - 0.8 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	249 U	249 U	240 U	220 U	230 U	143 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	249 U	249 U	240 U	220 U	230 U	143 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	249 U	249 U	240 U	220 U	230 U	**370**	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	249 UJ	249 UJ	240 U	220 U	**2200**	143 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	249 U	249 U	240 U	220 U	230 U	**165**	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	498 U	498 U	480 U	430 U	450 U	285 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	498 UJ	498 UJ	480 U	430 U	450 U	285 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	249 U	249 U	240 U	220 U	230 U	349	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	498 U	498 U	480 U	430 U	450 U	285 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	498 U	498 U	480 U	430 U	450 U	285 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	249 U	249 U	240 U	220 U	230 U	143 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6000 U	5360 U	4900 U	4300 U	4800 U	3700 J	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	498 UJ	498 UJ	480 U	430 U	450 U	285 U	NR
TETRYL	UG/KG	NA	780000	10000000	498 U	498 U	480 U	430 U	450 U	285 U	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-1-17 11/18/1999 0 - 1 ft.	SB-C11-10-01 11/9/1999 0 - 2 ft.	SB-C11-12-02 11/10/1999 0 - 1 ft.	SB-C11-15-05 11/10/1999 0 - 2 ft.	SB-C11-18-01 6/30/2000 0 - 2 ft.	SB-C11-18-02 11/5/1999 0 - 2 ft.	SB-C11-19-05 11/18/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	240 U	240 U	248 UJ	140 U	162 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	240 U	240 U	248 UJ	140 U	162 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	240 U	240 U	248 UJ	140 U	162 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	240 U	240 U	248 UJ	140 U	162 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	240 U	240 U	248 UJ	140 U	162 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	480 U	480 U	495 UJ	280 U	323 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	480 U	480 U	495 UJ	280 U	323 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	1100 J	240 U	248 UJ	140 U	162 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	480 U	480 U	495 UJ	280 U	323 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	480 U	480 U	495 UJ	280 U	323 U
NITROBENZENE	UG/KG	10000	39000	510000	1900 U	390 U	240 U	620	248 UJ	140 U	162 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5000 U	4800 U	5940 U	4700 U	6600 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	480 U	480 U	495 UJ	280 U	323 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	480 U	480 U	495 UJ	280 U	323 U

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Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-22-03 11/9/1999 0 - 2 ft.	SB-C11-2233-01 11/10/1999 0 - 1 ft.	SB-C11-2233-01 7/19/2000 0 - 2 ft.	SB-C11-2233-02 11/10/1999 0 - 1 ft.	SB-C11-2233-03 11/10/1999 0 - 2 ft.	SB-C11-2233C-01 11/9/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	230 U	238 U	250 U	190 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	230 U	238 U	250 U	190 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	230 U	238 U	250 U	190 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	230 U	238 U	250 U	190 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	230 U	238 U	250 U	190 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	476 U	500 U	370 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	450 U	476 U	500 U	370 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	230 U	238 U	250 U	190 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	476 U	500 U	370 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	450 U	476 U	500 U	370 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	410 U	230 U	238 U	250 U	190 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4900 U	7390	4700 U	5000 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	450 U	476 U	500 U	370 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	450 U	476 U	500 U	370 U	NR

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Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233D-05 11/9/1999 0 - 2 ft.	SB-C11-2233D-06 11/9/1999 0 - 2 ft.	SB-C11-23-02 11/10/1999 0 - 1 ft.	SB-C11-24-04 11/9/1999 0 - 1 ft.	SB-C11-27-02 11/12/1999 0 - 1 ft.	SB-C11-27-03 11/12/1999 0 - 0.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	210 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	**240 J**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	**630 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	180 R
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	130 J
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	420 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	170 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	420 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	420 U
NITROBENZENE	UG/KG	10000	39000	510000	470 U	370 U	370 U	370 U	85 J	570 J
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	4700 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	420 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-30-01 11/5/1999 0 - 1 ft.	SB-C11-30-05 11/5/1999 0 - 1 ft.	SB-C11-30-06 11/12/1999 0 - 1 ft.	SB-C11-4-02 11/11/1999 0 - 1 ft.	SB-C11-4-09 11/11/1999 0 - 1.5 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-19 11/11/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	150 U	150 U	220 U	240 U	230 U	240 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	150 U	150 U	220 U	510 R	230 U	240 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150 U	150 U	220 U	240 U	230 U	240 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	150 U	150 U	220 U	**1700 J**	230 U	240 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	150 U	150 U	220 U	240 U	230 U	240 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	300 U	310 U	430 U	480 U	450 U	480 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	300 U	310 U	430 U	480 U	450 U	480 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	150 U	150 U	220 U	240 U	230 U	240 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	300 U	310 U	430 U	480 U	450 U	480 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	300 U	310 U	430 U	480 U	450 U	480 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	150 U	150 U	220 U	240 U	230 U	240 U	440 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4700 U	4900 U	4900 U	4500 U	4800 U	4900 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	300 U	310 U	430 U	480 U	450 U	480 U	NR
TETRYL	UG/KG	NA	780000	10000000	300 U	310 U	430 U	480 U	450 U	480 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-4-20 11/11/1999 0 - 1 ft.	SB-C11-4A-01 11/5/1999 0 - 2 ft.	SB-C11-4A-02 6/30/2000 0 - 2 ft.	SB-C11-4B-01 11/5/1999 0 - 2 ft.	SB-C11-7-02 11/12/1999 0 - 1 ft.	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	190 UJ	NR	NR	NR	1300 J	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	190 UJ	NR	NR	NR	2500 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	190 UJ	NR	NR	NR	**170000 D**	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	190 UJ	NR	NR	NR	2500 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	190 UJ	NR	NR	NR	**1400 J**	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	380 UJ	NR	391 U	NR	5000 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	380 UJ	NR	NR	NR	5000 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	190 UJ	NR	NR	NR	2500 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	380 UJ	NR	782 U	NR	5000 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	380 UJ	NR	NR	NR	5000 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	190 UJ	390 U	391 U	410 U	2500 U	420 U	5500
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4900 U	NR	NR	NR	4500 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	380 UJ	NR	NR	NR	5000 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	380 UJ	NR	NR	NR	5000 U	NR	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-N3-02 6/30/2000 0 - 1 ft.	SB-C11-N3-03 11/10/1999 0 - 1 ft.	SB-D10-1-02 11/12/1999 0 - 1 ft.	SB-D10-10-01 11/16/1999 0 - 1 ft.	SB-D10-10-04 11/12/1999 0 - 1 ft.	SB-D10-11-01 11/22/1999 0 - 1 ft.	SB-D10-11-03 7/21/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	387 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	773 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	387 U	410 U	380 U	390 U	390 U	420 U	386 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-14-03 6/29/2000 0 - 2 ft.	SB-D10-14-05 11/16/1999 0 - 1 ft.	SB-D10-15-03 11/11/1999 0 - 1 ft.	SB-D10-16-02 6/29/2000 0 - 1.25 ft.	SB-D10-16-03 11/19/1999 0 - 1 ft.	SB-D10-164B-01 11/30/1999 0 - 1 ft.	SB-D10-164B-02 11/16/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	250 U	240 U	200 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	250 U	240 U	200 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	250 U	240 U	200 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	250 U	240 U	200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	250 U	240 U	200 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	372 U	NR	NR	500 U	500 U	480 U	400 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	500 U	480 U	400 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	250 U	240 U	200 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	743 U	NR	NR	500 U	500 U	480 U	400 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	500 U	480 U	400 U
NITROBENZENE	UG/KG	10000	39000	510000	372 U	370 U	350 U	250 U	250 U	240 U	200 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	372 U	NR	NR	5350 U	4800 UJ	5900 U	4500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	500 U	480 U	400 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	480 U	400 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-02 11/12/1999 0 - 1 ft.	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2041-05 11/12/1999 0 - 1 ft.	SB-D10-2227-02 11/11/1999 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	190 U	250 U	220 U	200 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	190 U	250 U	220 U	200 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	190 U	250 U	220 U	200 U	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	190 U	250 U	220 U	200 U	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	190 U	250 U	220 U	200 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	380 U	500 U	430 U	400 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	380 U	500 U	430 U	400 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	190 U	250 U	220 U	200 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	380 U	500 U	430 U	400 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	380 U	500 U	430 U	400 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	190 U	250 U	220 U	200 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4400 U	4800 U	5880 U	5000 U	4800 U	4500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	380 U	500 U	430 U	400 U	430 U
TETRYL	UG/KG	NA	780000	10000000	480 U	380 U	500 U	430 U	400 U	430 U

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Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2227E-01 11/11/1999 0 - 2 ft.	SB-D10-2227E-02 6/29/2000 0 - 2 ft.	SB-D10-2228-01 11/18/1999 0 - 1 ft.	SB-D10-2230-03 11/12/1999 0 - 0.5 ft.	SB-D10-2230A-03 11/12/1999 0 - 0.5 ft.	SB-D10-2231-03 11/18/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	131 U	240 U	220 U	131 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	131 U	240 U	220 U	131 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	131 U	240 U	220 U	131 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	131 U	240 U	220 U	131 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	131 U	240 U	220 U	131 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	359 U	263 U	480 U	430 U	263 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	263 U	480 U	430 U	263 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	131 U	240 U	220 U	131 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	718 U	263 U	480 U	430 U	263 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	263 U	480 U	430 U	263 U
NITROBENZENE	UG/KG	10000	39000	510000	360 U	359 U	131 U	240 U	220 U	131 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	359 U	4100 J	4900 U	4800 U	3900 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	263 U	480 U	430 U	263 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	263 U	480 U	430 U	263 U

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ft. = Feet below ground surface
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Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2233-02 6/29/2000 0 - 1.5 ft.	SB-D10-2233-04 11/19/1999 0 - 1.5 ft.	SB-D10-2233A-01 11/18/1999 0 - 2 ft.	SB-D10-2233A-02 6/29/2000 0 - 2 ft.	SB-D10-2233B-02 6/29/2000 0 - 1 ft.	SB-D10-2233B-03 11/19/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	131 U	248 U	246 U	210 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	131 U	248 U	246 U	210 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	131 U	248 U	246 U	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	131 U	248 U	246 U	210 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	131 U	248 U	246 U	210 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	262 U	495 U	493 U	420 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	262 U	495 U	493 U	420 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	131 U	248 U	246 U	210 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	262 U	495 U	493 U	420 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	262 U	495 U	493 U	420 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	131 U	248 U	246 U	210 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5720 U	4500 UJ	5600 U	5770 U	5590 U	5000 UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	262 U	495 U	493 U	420 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	262 U	495 U	493 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2233C-01 11/18/1999 0 - 1 ft.	SB-D10-2233C-02 6/29/2000 0 - 2 ft.	SB-D10-2233D-02 6/29/2000 0 - 1.25 ft.	SB-D10-2233D-03 11/19/1999 0 - 2 ft.	SB-D10-2233E-02 11/18/1999 0 - 1 ft.	SB-D10-2349-02 11/12/1999 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	126 U	245 U	248 U	230 U	123 U	230 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	126 U	245 U	248 U	230 U	123 U	230 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	126 U	245 U	248 U	230 U	123 U	230 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	126 U	245 U	248 U	230 U	123 U	230 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	126 U	245 U	248 U	230 U	123 U	230 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	252 U	490 U	495 U	450 U	247 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	252 U	490 U	495 U	450 U	247 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	126 U	245 U	248 U	230 U	123 U	230 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	252 U	490 U	495 U	450 U	247 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	252 U	490 U	495 U	450 U	247 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	126 U	245 U	248 U	230 U	123 U	230 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5200 U	5610 U	5460 U	4500 UJ	5000 U	4800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	252 U	490 U	495 U	450 U	247 U	430 U
TETRYL	UG/KG	NA	780000	10000000	252 U	490 U	495 U	450 U	247 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-241B-03 11/19/1999 0 - 1.5 ft.	SB-D10-251-02 11/17/1999 0 - 0.75 ft.	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-5-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8-02 11/16/1999 0 - 1 ft.	SB-D10-8234-02 11/16/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	220 U	NR	250 U	220 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	220 U	NR	250 U	220 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	220 U	NR	250 U	220 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	220 U	NR	250 U	220 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	220 U	NR	250 U	220 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	430 U	NR	500 U	430 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	430 U	NR	500 U	430 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	220 U	NR	250 U	220 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	430 U	NR	500 U	430 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	430 U	NR	500 U	430 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	430 U	220 U	390 U	250 U	220 U	3800 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4900 UJ	NR	4800 U	NR	5000 U	4700 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	430 U	NR	500 U	430 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	430 U	NR	500 U	430 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D10-9119-01 11/19/1999 0 - 1 ft.	SB-D10-9119-02 6/29/2000 0 - 2 ft.	SB-D10-N4-01 11/12/1999 0 - 1 ft.	SB-D11-112-01 9/27/2000 0 - 2 ft.	SB-D11-112-05 7/13/2000 0 - 0.75 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	230 U	249 U	220 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	230 U	249 U	220 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	230 U	249 U	220 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	230 U	249 U	220 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	230 U	249 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	498 U	430 U	NR	343 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	450 U	498 U	430 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	230 U	249 U	220 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	498 U	430 U	NR	685 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	450 U	498 U	430 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	230 U	249 U	220 U	356 U	343 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4800 UJ	5680 U	4700 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	450 U	498 U	430 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	450 U	498 U	430 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-20-01 11/18/1999 0 - 0.8 ft.	SB-D11-3-02 11/5/1999 0 - 1 ft.	SB-D9-2-01 6/29/2000 0 - 2 ft.	SB-D9-2-04 11/18/1999 0 - 1 ft.	SB-D9-2229-01 11/11/1999 0 - 0.5 ft.	SB-D9-2229-05 6/29/2000 0 - 0.75 ft.	SB-D9-3-01 6/29/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	131 U	130 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	131 U	130 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	131 U	130 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	131 U	130 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	131 U	130 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	263 U	260 U	365 U	NR	NR	373 U	356 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	263 U	260 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	131 U	130 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	263 U	260 U	730 U	NR	NR	746 U	713 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	263 U	260 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	131 U	130 U	365 U	370 U	360 U	373 U	356 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4800 U	4700 U	365 U	NR	NR	373 U	356 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	263 U	260 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	263 U	260 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-3-02 11/11/1999 0 - 1 ft.	SB-D9-4-03 11/10/1999 0 - 1 ft.	SB-D9-5-02 6/29/2000 0 - 1 ft.	SB-D9-5-05 11/11/1999 0 - 1.5 ft.	SB-D9-8279-01 11/19/1999 0 - 1 ft.	SB-D9-9108-01 11/10/1999 0 - 0.5 ft.	SB-D9-9108-04 11/10/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	248 U	240 U	220 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	248 U	240 U	220 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	248 U	240 U	220 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	248 U	240 U	220 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	248 U	240 U	220 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	495 U	480 U	430 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	495 U	480 U	430 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	248 U	240 U	220 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	495 U	480 U	430 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	495 U	480 U	430 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	360 U	380 U	248 U	240 U	220 U	420 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	6070 U	4800 U	4500 UJ	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	495 U	480 U	430 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	495 U	480 U	430 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-9108-07 11/10/1999 0 - 1 ft.	SB-D9-9108-10 11/10/1999 0 - 0.5 ft.	SB-D9-N1-03 11/10/1999 0 - 0.5 ft.	SB-E10-2031B-01 6/30/2000 0 - 1.5 ft.	SB-E10-2031B-04 11/12/1999 0 - 1 ft.	SB-E10-2031C-01 11/12/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	394 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	787 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	370 U	350 U	370 U	394 U	390 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2031C-03 6/30/2000 0 - 1.5 ft.	SB-E10-2169-03 11/18/1999 0 - 1 ft.	SB-E10-2169A-01 11/18/1999 0 - 1 ft.	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-2177-06 11/18/1999 0 - 0.75 ft.	SB-E10-2314-01 7/21/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	157 U	131 U	245 U	220 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	157 U	131 U	245 U	220 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	157 U	131 U	245 U	220 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	157 U	131 U	**740 J**	220 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	157 U	131 U	245 U	220 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	469 U	313 U	261 U	490 U	430 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	313 U	261 U	490 U	430 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	157 U	131 U	245 U	220 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	938 U	313 U	261 U	490 U	430 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	313 U	261 U	490 U	430 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	469 U	157 U	131 U	245 U	220 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	349 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6700 U	5200 U	6050 U	8600 U	5640 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	313 U	261 U	490 UJ	430 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	313 U	261 U	490 U	430 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2314-02 11/22/1999 0 - 2 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	SB-E10-8277-01 11/12/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	150 U	230 U	NR	NR	230 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	150 U	230 U	NR	NR	230 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150 U	**180 J**	NR	NR	230 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	150 U	**1200 J**	NR	NR	**520**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	150 U	120 R	NR	NR	230 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	290 U	450 U	NR	NR	450 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	290 U	450 U	NR	NR	450 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	150 U	150 R	NR	NR	230 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	290 U	450 U	NR	NR	450 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	290 U	450 U	NR	NR	450 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	150 U	230 U	500 U	530 U	230 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5900 U	5000 U	NR	NR	4900 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	290 U	450 U	NR	NR	450 U	NR
TETRYL	UG/KG	NA	780000	10000000	290 U	450 U	NR	NR	450 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3C

Analytical Results
NG Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-C11-2233D-07 8/10/2000 3.5 - 5.5 ft.	TP-D10-13-01 8/9/2000 9 - 11 ft.	TP-E10-2031B-05 8/8/2000 1 - 3 ft.
Energetics & Explosives							
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**56.2 J**	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	393 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	786 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	238 U	372 U	393 U
NITROCELLULOSE	MG/KG	NA	NA	NA	37.6 UJ	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5570 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	476 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-3D

Analytical Results
NG Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-3-01 11/18/1999 0 - 1.5 ft.	SB-C10-1-01 11/18/1999 0 - 1 ft.	SB-D10-3-01 11/12/1999 0 - 1.25 ft.
Polychlorinated Biphenyls							
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	21 U	21 U	21 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	21 U	21 U	21 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	21 U	21 U	21 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	21 U	21 U	21 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	21 U	21 U	21 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	80 P	54	21 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	41 U	40 U	40 U
TOTAL PCBS	UG/KG	50000	490	2000	80 P	54	40 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-511-03 11/19/1999 0 - 2 ft.	SB-B10-7-02 11/18/1999 0 - 1 ft.	SB-B10-7-10 11/18/1999 0 - 1 ft.	SB-B11-1-08 11/10/1999 0 - 1 ft.	SB-B11-1-11 11/10/1999 0 - 1 ft.	SB-B11-11-05 11/10/1999 0 - 0.5 ft.	SB-B11-2044-03 11/9/1999 0 - 0.5 ft.	SB-B11-2044-04 11/9/1999 0 - 1.3 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.4 U	0.51 N	0.57 N	2 N	2.2 N	1.3 N	0.27 U	0.47 UN
ARSENIC	MG/KG	NA	20	20	6.2	6.1	5.4	**64.4 N**	**53.8 N**	12.9 N	**20**	5
BERYLLIUM	MG/KG	NA	2	2	0.8	0.76 *	0.45 *	0.51	0.22 B	0.21 B	0.68	0.6
CADMIUM	MG/KG	NA	39	100	0.26 U	0.44	0.05 B	0.25 U	0.26 U	0.08 B	0.33 U	0.28 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.4	18.4	13	17.6	7.9	6.4	75.2 J	24 J
COPPER	MG/KG	NA	600	600	33.1	22.1	37.9	46 N	17.8 N	12.7 N	19.9	13.5
LEAD	MG/KG	NA	400	600	**1160**	1080 E	658 E	**16900**	**33800**	**7320**	63.8	27.3
MERCURY	MG/KG	NA	14	270	0.17	0.07	0.06	0.96	1.2	0.24	0.04 B	0.03 B
NICKEL	MG/KG	NA	250	2400	10.6	10	7.5	7.8	2.8	3.8	7.8	6
pH	PH	NA	NA	NA	NR	5.79	5.36	4.71	4.96	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.72	0.85 N	0.64 N	4.6	13.8	1.2	0.24 B	0.42 B
SILVER	MG/KG	NA	110	4100	0.26 U	0.28 U	0.08 B	0.67	1.5	0.57	0.33 U	0.28 U
THALLIUM	MG/KG	NA	2	2	0.87 U	0.98 U	0.82 U	**3**	1.3	1.2 U	1.1 U	0.93 U
ZINC	MG/KG	NA	1500	1500	57.5 N	281	76.1	41.8	20.2	48.3	129	65

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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B11-2044-05 11/9/1999 0 - 0.5 ft.	SB-B11-2044-06 11/9/1999 0 - 0.7 ft.	SB-B11-2044-08 11/9/1999 0 - 0.8 ft.	SB-B11-2044C-01 11/5/1999 0 - 2 ft.	SB-B11-2044C-05 11/5/1999 0 - 2 ft.	SB-B11-6-03 11/9/1999 0 - 1 ft.	SB-B11-9-02 11/5/1999 0 - 2 ft.	SB-B11-9-03 6/30/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.32 UN	0.48 UN	0.39 UN	0.53 UJ	0.54 UN	0.57 U	0.23 BN	0.478 UJ
ARSENIC	MG/KG	NA	20	20	3.7	10.4	3.4	6.1	4.5	5.1	4.8	5.45
BERYLLIUM	MG/KG	NA	2	2	0.41	0.81	0.51	0.63	0.79	0.53	0.68	0.536
CADMIUM	MG/KG	NA	39	100	0.19 U	1	0.29	0.04 B	0.32 U	0.31 U	0.07 B	2
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.6 J	15.2 J	18.9 J	14	16.2	32.7 J	41.1	16.4
COPPER	MG/KG	NA	600	600	16.2	36	17.2	18.1	15.3	24.5	13.5	21.2
LEAD	MG/KG	NA	400	600	74.5	**489**	37.5	30.6	24.5	**450**	103	212
MERCURY	MG/KG	NA	14	270	0.06	0.47	0.07	0.03 J	0.05 J	0.05	0.14 J	0.111 J
NICKEL	MG/KG	NA	250	2400	5	9.1	7.5	7.6 E	6.7 E	8.3	18.2 E	9.47
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.38	0.26 B	0.17 B	0.82 J	0.95 N	0.95	1 N	1.1 UJ
SILVER	MG/KG	NA	110	4100	0.19 U	0.29 U	0.24 U	0.32 U	0.32 U	0.31 U	0.3 U	0.239 U
THALLIUM	MG/KG	NA	2	2	0.65 U	0.97 U	0.78 U	1.1 U	1.1 U	1 U	0.9 U	0.797 U
ZINC	MG/KG	NA	1500	1500	68.3	340	239	123	79.5	54.5	70.5	929

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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-10-01 11/16/1999 0 - 2 ft.	SB-C10-10-02 6/30/2000 0 - 1 ft.	SB-C10-12-03 11/16/1999 0 - 1 ft.	SB-C10-13-01 11/19/1999 0 - 1.5 ft.	SB-C10-211C-04 11/16/1999 0 - 2 ft.	SB-C10-211C-06 11/16/1999 0 - 1 ft.	SB-C10-211C-07 11/16/1999 0 - 1 ft.	SB-C10-241A-03 11/18/1999 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.37 UJ	0.425 UJ	0.59 N	3.4 N	0.44 UN	0.42 UN	0.46 UN	0.63 UN
ARSENIC	MG/KG	NA	20	20	4.6	14.8	15	**37.1**	4.5	6.4	2.9	9.5
BERYLLIUM	MG/KG	NA	2	2	0.62	0.412	0.43	0.44	0.55	0.71	0.56	1.1 *
CADMIUM	MG/KG	NA	39	100	0.15 U	0.52	0.13 U	0.21	0.21 B	0.16 B	0.14 U	0.38 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.4	18.9	15.3	12.6 U	18.4	13.3	9.5	24.3
COPPER	MG/KG	NA	600	600	14.7	14.9	20.5	23.7	19.1	16.9	15.7	24.8
LEAD	MG/KG	NA	400	600	56.2	120	**1110**	**810**	**1280**	**491**	174	171 E
MERCURY	MG/KG	NA	14	270	0.05	0.066 J	0.18	0.72	0.56	0.06	0.5	0.47
NICKEL	MG/KG	NA	250	2400	7	5.24	8	6.8	8	7.4	5.7	11.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	5.21	4.42	4.66	NR
SELENIUM	MG/KG	NA	63	3100	0.66 UJ	0.595 UJ	1.3 N	0.45	0.64 U	0.75 N	0.58 U	1.1 N
SILVER	MG/KG	NA	110	4100	0.22 U	0.213 U	0.26 U	0.08 U	0.27 U	0.25 U	0.27 U	0.38 U
THALLIUM	MG/KG	NA	2	2	0.75 U	0.709 U	0.86 U	0.68 U	0.89 U	0.84 U	0.91 U	1.3 U
ZINC	MG/KG	NA	1500	1500	45.4	39.4	35.1	137 N	64.7	58.8	44.4	113

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-241A-05 6/30/2000 0 - 1.5 ft.	SB-C10-241C-03 6/30/2000 0 - 2 ft.	SB-C10-241C-04 11/16/1999 0 - 2 ft.	SB-C10-5-01 11/16/1999 0 - 1 ft.	SB-C10-7-01 11/16/1999 0 - 1 ft.	SB-C11-1-04 11/18/1999 0 - 1 ft.	SB-C11-1-09 11/18/1999 0 - 0.8 ft.	SB-C11-1-17 11/18/1999 0 - 1 ft.	SB-C11-10-01 11/9/1999 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.688 UJ	0.439 UJ	0.41 UN	0.45 UN	4 N	0.52 BN	0.4 BN	1.6 N	0.97 U
ARSENIC	MG/KG	NA	20	20	4.13	17.1	1.7	8.5	10	**51.9**	11.1	**38.6**	**69.4**
BERYLLIUM	MG/KG	NA	2	2	0.497	0.432	0.44	0.43	0.67	0.95 *	0.67 *	0.49 *	0.38
CADMIUM	MG/KG	NA	39	100	0.748	0.525	0.14 U	0.66	0.55	0.39 U	0.3 U	0.26 U	0.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.8	29.4	5.2	15	20.2	22.5	16.4	13.4	7.6 J
COPPER	MG/KG	NA	600	600	16.3	16.5	13.7	18.9	20.6	181	32.4	26.2	14.8
LEAD	MG/KG	NA	400	600	68.7	12.3	44.7	**1110**	**3260**	68200 E	1200 E	10900 E	**2090**
MERCURY	MG/KG	NA	14	270	0.07 J	0.046 J	0.03 U	0.9	0.28	2.1	0.29	0.34	0.21
NICKEL	MG/KG	NA	250	2400	6.4	5.79	5.6	8.7	12	10.9	8.4	5.7	3.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	6.11	5.75	5.43	4.66
SELENIUM	MG/KG	NA	63	3100	1.04 UJ	0.517 UJ	0.3 U	1 N	1.7 N	1.5 N	1.2 N	3 N	3.8
SILVER	MG/KG	NA	110	4100	0.344 U	0.22 U	0.24 U	0.19 B	0.34 U	0.91	0.3 U	0.23 B	0.25 B
THALLIUM	MG/KG	NA	2	2	1.15 UJ	0.732 U	0.82 U	0.89 U	1.1 U	1.2 B	0.99 U	0.86 U	0.99 U
ZINC	MG/KG	NA	1500	1500	25.9	31.4	33.7	219	103	141	52.2	215	22.7

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J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-12-02 11/10/1999 0 - 1 ft.	SB-C11-15-05 11/10/1999 0 - 2 ft.	SB-C11-18-01 6/30/2000 0 - 2 ft.	SB-C11-18-02 11/5/1999 0 - 2 ft.	SB-C11-19-05 11/18/1999 0 - 0.5 ft.	SB-C11-2233-01 11/10/1999 0 - 1 ft.	SB-C11-2233-01 7/19/2000 0 - 2 ft.	SB-C11-2233-02 11/10/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.4 N	0.56 UN	0.547 UJ	0.48 UN	0.7 N	0.87 U	0.621 UJ	0.45 UN
ARSENIC	MG/KG	NA	20	20	**20.2 N**	8.3 N	5.7	2.9	**36.9**	5.6 N	6.86	8.3 N
BERYLLIUM	MG/KG	NA	2	2	0.14 B	0.66	0.232	0.06 B	0.61 *	0.69	0.598	0.75
CADMIUM	MG/KG	NA	39	100	0.11 B	0.33 U	0.436	0.29 U	0.59	0.29 U	0.716	0.27 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.2	22.5	12	2.4	18.1	14.2	15.9	16.1
COPPER	MG/KG	NA	600	600	16.9 N	27.3 N	12.5	2.9	29.4	20.5 N	17.3	23.5 N
LEAD	MG/KG	NA	400	600	**2470**	**755**	**419**	263	2110 E	**660**	**961**	246
MERCURY	MG/KG	NA	14	270	0.61	0.16	0.095 J	4.5 J	0.58	0.09	0.086	0.08
NICKEL	MG/KG	NA	250	2400	3.1	8.9	5.13	0.87 E	10.5	8.2	9.36	9.1
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	5	0.39 U	0.707 UJ	0.44 U	1.1 N	0.37 U	0.744	0.64
SILVER	MG/KG	NA	110	4100	0.47	0.33 U	0.274 U	0.13 B	0.15 B	0.13 B	0.31 U	0.27 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 U	0.912 U	0.96 U	0.99 U	0.96 U	1.03 U	0.58 B
ZINC	MG/KG	NA	1500	1500	32.6	66.7	34.1	11.8	194	179	361	71.2

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-2233-03 11/10/1999 0 - 2 ft.	SB-C11-2233C-01 11/9/1999 0 - 2 ft.	SB-C11-2233D-05 11/9/1999 0 - 2 ft.	SB-C11-2233D-06 11/9/1999 0 - 2 ft.	SB-C11-23-02 11/10/1999 0 - 1 ft.	SB-C11-24-04 11/9/1999 0 - 1 ft.	SB-C11-27-02 11/12/1999 0 - 1 ft.	SB-C11-30-01 11/5/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.46 UN	0.35 UN	0.41 UN	0.22 U	0.5 UN	0.45 UN	0.3 BN	0.48 UN
ARSENIC	MG/KG	NA	20	20	9.1 N	8.9	7.4	9.3	6.6 N	5.7	7.3 J	9.4
BERYLLIUM	MG/KG	NA	2	2	0.5	0.61	0.61	0.63	0.63	0.61	0.27 B	0.5
CADMIUM	MG/KG	NA	39	100	0.14 B	0.21 U	0.24 U	0.22 U	0.3 U	0.27 U	0.35 U	0.29 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.2	15.8 J	15.8 *N	13.7 J	14.6	13.4 J	10.5 J	16.4
COPPER	MG/KG	NA	600	600	13.1 N	21.9	42.5	20.1	14.6 N	15.6	13.7	18.6
LEAD	MG/KG	NA	400	600	297	290	267	316	269	140	319	126
MERCURY	MG/KG	NA	14	270	0.06	0.05	0.12	0.05	0.05	0.03	0.22 J	0.12 J
NICKEL	MG/KG	NA	250	2400	6.7	8.3	7.4	7.7	7.3	7.5	3.3	7.9 E
pH	PH	NA	NA	NA	NR	NR	5.84	7.38	7.38	NR	NR	4.91
SELENIUM	MG/KG	NA	63	3100	0.09 U	0.63	0.59	0.46	0.38 U	0.68	1 J	1.8 N
SILVER	MG/KG	NA	110	4100	0.28 U	0.21 U	0.24 U	0.08 B	0.3 U	0.27 U	0.13 B	0.29 U
THALLIUM	MG/KG	NA	2	2	0.93 U	0.69 U	0.82 U	0.72 U	1 U	0.91 U	1.2 U	0.96 U
ZINC	MG/KG	NA	1500	1500	70.5	66.4	139	119	58.8	52.9	26.5	65

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-30-05 11/5/1999 0 - 1 ft.	SB-C11-30-06 11/12/1999 0 - 1 ft.	SB-C11-4-09 11/11/1999 0 - 1.5 ft.	SB-C11-4-13 11/11/1999 0 - 1 ft.	SB-C11-4-19 11/11/1999 0 - 2 ft.	SB-C11-4-20 11/11/1999 0 - 1 ft.	SB-C11-4A-01 11/5/1999 0 - 2 ft.	SB-C11-4A-02 6/30/2000 0 - 2 ft.	SB-C11-4B-01 11/5/1999 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.49 UN	0.52 UJ	1.8 N	0.55 N	1.8 N	0.58 N	0.47 UN	0.697 UJ	0.85 N
ARSENIC	MG/KG	NA	20	20	**56.8**	**104**	11.5 J	11.9 J	11.8 J	10.8 J	2.9	7.96	8.8
BERYLLIUM	MG/KG	NA	2	2	0.42	1.7	0.49	0.21 B	0.32 B	0.28 B	0.2 B	0.104 J	0.24 B
CADMIUM	MG/KG	NA	39	100	0.29 U	1.4	0.43	0.09 B	0.27 B	0.13 B	0.43	0.377	0.2 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.2	17.5	23.1 J	14.5 J	16.1 J	6.9 J	6.8	9.23	16.1
COPPER	MG/KG	NA	600	600	20.7	38.9	109	17.4	52.1	17.1	12.2	11.8	39.2
LEAD	MG/KG	NA	400	600	176	159	**662**	**492**	**2070**	380	53.9	52	379
MERCURY	MG/KG	NA	14	270	0.05 J	0.26	0.99 J	0.47 J	0.24 J	0.21 J	0.03 J	0.323 J	0.17 J
NICKEL	MG/KG	NA	250	2400	5.9 E	13.6	31.2	4.1	36.7	6.9	8.4 E	9.68	11.9 E
pH	PH	NA	NA	NA	4.31	7.91	5.99	5.85	7.68	5.84	5.11	5.98	5.89
SELENIUM	MG/KG	NA	63	3100	17.3 N	9.5	2.4 J	1.2 J	1.4 J	1.1 J	0.64 N	0.767 UJ	1.7 N
SILVER	MG/KG	NA	110	4100	0.29 U	0.23 B	0.6	0.12 B	0.46	0.28 B	0.28 U	0.349 U	0.33 U
THALLIUM	MG/KG	NA	2	2	0.98 U	**3.4**	1.2 U	1.1 U	1.1 U	1.2 U	0.94 U	1.16 U	1.1 U
ZINC	MG/KG	NA	1500	1500	37.7	443	235	67.8	142	42.9	123	101	117

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C11-7-02 11/12/1999 0 - 1 ft.	SB-C11-8-05 11/9/1999 0 - 2 ft.	SB-C11-9-04 11/18/1999 0 - 0.5 ft.	SB-C11-N3-02 6/30/2000 0 - 1 ft.	SB-C11-N3-03 11/10/1999 0 - 1 ft.	SB-D10-1-02 11/12/1999 0 - 1 ft.	SB-D10-10-01 11/16/1999 0 - 1 ft.	SB-D10-10-04 11/12/1999 0 - 1 ft.	SB-D10-14-03 6/29/2000 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.45 UJ	3.2 N	**27 N**	0.497 UJ	0.39 U	0.5 UJ	0.5 UN	0.3 UJ	0.62 U
ARSENIC	MG/KG	NA	20	20	6.9	**61.4**	**115**	7.18	5.9 N	4.7	4.6	3.6	2.74
BERYLLIUM	MG/KG	NA	2	2	0.26 B	0.12 B	0.45 *	0.496	0.73	0.79	0.59	0.57	0.246 J
CADMIUM	MG/KG	NA	39	100	0.27 U	0.32 U	0.1 B	0.568	0.14 B	0.3 U	0.13 U	0.15 U	0.488
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8	4.4 J	14.7	8.7	17.7	17.3	16.6	18.2	15.6
COPPER	MG/KG	NA	600	600	9.3	30.3	88.6	21.6	47.5 N	16.7	14.6	16.7	145
LEAD	MG/KG	NA	400	600	57.2	**4930**	11800 E	129	359	**1620**	53	29.8	127
MERCURY	MG/KG	NA	14	270	0.03 B	1.5	10.3	0.099 J	0.11	0.05	0.13	0.03	0.038
NICKEL	MG/KG	NA	250	2400	2.1	2.6	6.3	5.4	10.8	10	6.7	7.6	6.55
pH	PH	NA	NA	NA	7.01	4.01	NR	NR	NR	4.57	NR	NR	4.34
SELENIUM	MG/KG	NA	63	3100	0.4 U	9.2	5.9 N	0.724 UJ	0.14 U	0.54 U	1.1 N	0.36 U	0.55 UJ
SILVER	MG/KG	NA	110	4100	0.27 U	0.7	1.6	0.249 U	0.11 B	0.3 U	0.3 U	0.33 U	0.31 U
THALLIUM	MG/KG	NA	2	2	0.91 U	1.1 U	0.97 U	0.829 U	0.61 B	1 U	1 U	1.1 U	1.03 U
ZINC	MG/KG	NA	1500	1500	24	13.8	266	33.1	124	55.4	33.3	92.6	189

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-14-05 11/16/1999 0 - 1 ft.	SB-D10-15-03 11/11/1999 0 - 1 ft.	SB-D10-16-02 6/29/2000 0 - 1.25 ft.	SB-D10-16-03 11/19/1999 0 - 1 ft.	SB-D10-164B-01 11/30/1999 0 - 1 ft.	SB-D10-164B-02 11/16/1999 0 - 1 ft.	SB-D10-165B-02 11/16/1999 0 - 1 ft.	SB-D10-2007-02 11/12/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.49 UN	0.17 BN	0.587 UJ	0.21 U	0.47 UN	0.21 BN	0.53 UN	0.21 UJ
ARSENIC	MG/KG	NA	20	20	2.9	4.3 J	7.19	7.7	9	14.1	**34.4**	11.9
BERYLLIUM	MG/KG	NA	2	2	0.25 B	0.38	0.432 J	0.61	0.27 B	0.3	0.61	0.47
CADMIUM	MG/KG	NA	39	100	0.12 U	5	0.294 J	0.24 U	0.36	0.84	0.25 B	0.28 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11	25 J	17.6 J	19.3	14.3	19.4	20	13.4
COPPER	MG/KG	NA	600	600	118	183	16.6	17.7	20.2	21.5	42.2	24.4
LEAD	MG/KG	NA	400	600	71.6	225	169	176	**908**	**4260**	**1350**	71.4
MERCURY	MG/KG	NA	14	270	0.04	0.06 J	0.091 J	0.08	0.2	0.16	0.21	0.06
NICKEL	MG/KG	NA	250	2400	4.7	10.9	8.81	8.4	6.7	9.1	9.7	7.4
pH	PH	NA	NA	NA	4.58	NR	NR	NR	5.56	5.21	4.57	NR
SELENIUM	MG/KG	NA	63	3100	0.66 U	0.32 J	0.38 J	0.5	1.3	1.2 N	1.6 N	0.47 U
SILVER	MG/KG	NA	110	4100	0.29 U	0.27 U	0.294 UJ	0.24 U	0.1 B	0.38	0.32 U	0.28 U
THALLIUM	MG/KG	NA	2	2	0.98 U	0.89 U	1.19 J	0.79 U	0.93 U	0.93 U	1.1 U	0.94 U
ZINC	MG/KG	NA	1500	1500	68.1	108	90	105 N	57.7	211	100	28.2

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2007-04 6/29/2000 0 - 2 ft.	SB-D10-2041-03 11/12/1999 0 - 1 ft.	SB-D10-2041-05 11/12/1999 0 - 1 ft.	SB-D10-2227-02 11/11/1999 0 - 1.5 ft.	SB-D10-2227E-01 11/11/1999 0 - 2 ft.	SB-D10-2227E-02 6/29/2000 0 - 2 ft.	SB-D10-2228-01 11/18/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.737 J	0.17 UJ	0.45 UJ	0.52 UN	0.48 UN	0.628 U	0.67 N
ARSENIC	MG/KG	NA	20	20	**133**	3.9	4	**20.2 J**	3.3 J	2.76	19.2
BERYLLIUM	MG/KG	NA	2	2	0.544 J	0.36	0.55	0.29 B	0.51	0.412 J	0.48 *
CADMIUM	MG/KG	NA	39	100	0.565	0.03 U	0.27 U	0.28 B	0.29 U	0.488	1.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.83	12.7	15.4	75.8 J	8.6 J	8.18	43
COPPER	MG/KG	NA	600	600	37.9	73.5	240	29.7	13.4	13.7	114
LEAD	MG/KG	NA	400	600	71	**681**	213	314	15.3	11.3	782 E
MERCURY	MG/KG	NA	14	270	0.066	0.5	0.11	0.92 J	0.03 J	0.044	0.13
NICKEL	MG/KG	NA	250	2400	5.8	6.3	7.3	5.8	6.5	5.23	9.4
pH	PH	NA	NA	NA	NR	5.08	4.35	6.83	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.615 UJ	0.35 U	0.54 U	0.44 J	0.31 J	0.467 UJ	0.52 N
SILVER	MG/KG	NA	110	4100	0.325 U	0.26 U	0.27 U	0.31 U	0.29 U	0.314 U	0.11 B
THALLIUM	MG/KG	NA	2	2	1.08 U	0.88 U	0.91 U	1 U	0.96 U	1.05 U	0.89 U
ZINC	MG/KG	NA	1500	1500	40.1	50.3	45.4	82.3	174	43.3	208

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NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2230-03 11/12/1999 0 - 0.5 ft.	SB-D10-2230A-03 11/12/1999 0 - 0.5 ft.	SB-D10-2231-03 11/18/1999 0 - 1 ft.	SB-D10-2233-02 6/29/2000 0 - 1.5 ft.	SB-D10-2233-04 11/19/1999 0 - 1.5 ft.	SB-D10-2233A-01 11/18/1999 0 - 2 ft.	SB-D10-2233A-02 6/29/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.1 UJ	0.49 UJ	0.5 UN	0.467 UJ	0.35 UN	0.16 BN	0.516 UJ
ARSENIC	MG/KG	NA	20	20	17.3	**45.6**	18.7	7.11	5.9	4.2	10.6 J
BERYLLIUM	MG/KG	NA	2	2	0.28 B	0.4	0.36 *	0.403 J	0.6	0.95 *	0.453 J
CADMIUM	MG/KG	NA	39	100	0.77	0.29 U	0.16 B	0.272	0.21 U	0.23 U	0.329 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	68.1	13.9	31.8	18.6 J	18.9	15.7	18.2 J
COPPER	MG/KG	NA	600	600	117	19.3	72	13.8	17.8	14.7	13.3
LEAD	MG/KG	NA	400	600	**1390**	92	451 E	125	282	140 E	143
MERCURY	MG/KG	NA	14	270	0.52	0.12	0.23	0.069 J	0.14	0.06	0.104
NICKEL	MG/KG	NA	250	2400	21.3	6.6	8	6.35	8.1	6.9	6.36
pH	PH	NA	NA	NA	4.5	5.72	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.62 U	0.59 U	0.59 N	0.381 J	0.44	0.61 N	0.565
SILVER	MG/KG	NA	110	4100	0.28	0.29 U	0.3 U	0.234 UJ	0.21 U	0.23 U	0.258 UJ
THALLIUM	MG/KG	NA	2	2	0.93 U	0.98 U	1 U	0.711 J	0.7 U	0.77 U	0.86 UJ
ZINC	MG/KG	NA	1500	1500	191	40.7	174	82.2	120 N	66.7	77.8

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2233B-02 6/29/2000 0 - 1 ft.	SB-D10-2233B-03 11/19/1999 0 - 1 ft.	SB-D10-2233C-01 11/18/1999 0 - 1 ft.	SB-D10-2233C-02 6/29/2000 0 - 2 ft.	SB-D10-2233D-02 6/29/2000 0 - 1.25 ft.	SB-D10-2233D-03 11/19/1999 0 - 2 ft.	SB-D10-2233E-02 11/18/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.545 UJ	0.42 UN	0.39 UN	0.942 UJ	0.506 UJ	0.43 UN	0.73 N
ARSENIC	MG/KG	NA	20	20	4.34 J	3.7	11.3	7.27 J	5.77 J	5.3	8.5
BERYLLIUM	MG/KG	NA	2	2	0.444 J	0.63	0.68 *	0.444 J	0.407 J	0.66	0.15 B*
CADMIUM	MG/KG	NA	39	100	0.329 J	0.25 U	0.24 U	0.372 J	0.429 J	0.26 U	0.05 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.2 J	13.5	23	15.7 J	11.5 J	15.3	13.7
COPPER	MG/KG	NA	600	600	13.9	14.9 U	15.8	14.7	13.2	14.8 U	19.5
LEAD	MG/KG	NA	400	600	386	28.4	47.8 E	187	68.6	58.5	2470 E
MERCURY	MG/KG	NA	14	270	0.044	0.03	0.03 B	0.111	0.061	0.05	0.05
NICKEL	MG/KG	NA	250	2400	6.95	6.9	7.6	6.29	6.09	7.2	4.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.359 J	0.44	0.75 N	0.706 J	0.547	0.58	1.2 N
SILVER	MG/KG	NA	110	4100	0.272 UJ	0.25 U	0.24 U	0.471 UJ	0.253 UJ	0.26 U	0.24
THALLIUM	MG/KG	NA	2	2	0.908 UJ	0.83 U	0.79 U	1.57 UJ	0.844 UJ	0.85 U	0.77 U
ZINC	MG/KG	NA	1500	1500	52.3	49.2 U	60.8	81.8	54.4	59.1 N	28.4

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-2349-02 11/12/1999 0 - 1.5 ft.	SB-D10-241B-03 11/19/1999 0 - 1.5 ft.	SB-D10-251-02 11/17/1999 0 - 0.75 ft.	SB-D10-4-01 11/12/1999 0 - 1 ft.	SB-D10-5-01 11/12/1999 0 - 1 ft.	SB-D10-6-02 11/12/1999 0 - 1 ft.	SB-D10-8-02 11/16/1999 0 - 1 ft.	SB-D10-8234-02 11/16/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.71 UJ	0.54 UN	0.59 UJ	1.6 J	1.9 J	6.2 UJ	0.5 UN	0.41 UN
ARSENIC	MG/KG	NA	20	20	**296**	3.7	8.8	**291**	**420**	**24.5**	3.6	**22.9**
BERYLLIUM	MG/KG	NA	2	2	0.4	0.36	0.85	0.6	0.63	0.93 B	0.38	0.3
CADMIUM	MG/KG	NA	39	100	0.27 U	0.32 U	0.43	3.4	0.28 U	7.8	0.11 U	2
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14	20.1	19.6	19.9	16.4	22.8	14.9	9.9
COPPER	MG/KG	NA	600	600	20.3	75.9	22.1	52.9	48.9	253	22	36.1
LEAD	MG/KG	NA	400	600	76.6	66.8	**589**	**1370**	166	**12900**	126	**1240**
MERCURY	MG/KG	NA	14	270	0.08	0.07	0.16 J	2.1	0.12	6.2 J	0.06	0.21
NICKEL	MG/KG	NA	250	2400	6.9	6.1	11.1	18.8	10.7	20.7	6.7	11.6
pH	PH	NA	NA	NA	NR	NR	NR	5.99	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.49 U	0.55	1.3 *N	0.85	0.99	6.2 U	0.79 N	0.72 N
SILVER	MG/KG	NA	110	4100	0.11 B	0.32 U	0.35 U	0.55	0.16 B	1.8 B	0.3 U	0.15 B
THALLIUM	MG/KG	NA	2	2	0.92 U	1.1 U	1.2 U	1.1 U	0.83 B	12.4 U	0.99 U	0.82 U
ZINC	MG/KG	NA	1500	1500	30.3	32.7 U	116 J	937	33.6	**4080**	28.7	1310

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D10-8284-03 11/16/1999 0 - 1 ft.	SB-D10-9119-01 11/19/1999 0 - 1 ft.	SB-D10-9119-02 6/29/2000 0 - 2 ft.	SB-D10-N4-01 11/12/1999 0 - 1 ft.	SB-D11-112-01 9/27/2000 0 - 2 ft.	SB-D11-112-05 7/13/2000 0 - 0.75 ft.	SB-D11-20-01 11/18/1999 0 - 0.8 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	2.1 N	0.61 U	0.665 U	0.44 UJ	0.484 U	0.579 UJ	0.46 UN
ARSENIC	MG/KG	NA	20	20	**370**	16.7	4.54	5.5	2.2	2.95	6
BERYLLIUM	MG/KG	NA	2	2	0.47	0.31	0.326 J	0.41	0.704 J	0.493	0.91 *
CADMIUM	MG/KG	NA	39	100	0.37	0.34	0.517	0.26 U	0.303 U	0.225 J	0.28 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.6	33.7	19.6	11.9	9.37	12.4	26.5
COPPER	MG/KG	NA	600	600	38.9	50.7	21	18	12.3	12.5	33
LEAD	MG/KG	NA	400	600	217	320	49.4	81.1	4.34 J	14.9 J	762 E
MERCURY	MG/KG	NA	14	270	0.1	0.12	0.036	0.06	0.035 U	0.022 U	0.11
NICKEL	MG/KG	NA	250	2400	9.5	9	8.94	6	5.89	6.64	13.3
pH	PH	NA	NA	NA	NR	7.82	4.58	6.51	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.4 N	0.55	1.1 UJ	0.14 U	0.505 U	0.813	1.1 N
SILVER	MG/KG	NA	110	4100	0.32 U	0.28 U	0.332 U	0.26 U	0.303 U	0.289 U	0.28 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.94 U	1.11 U	0.87 U	1.01 U	0.964 U	0.92 U
ZINC	MG/KG	NA	1500	1500	43.4	128 N	30	32.2	36.4	43.9	108

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D11-3-02 11/5/1999 0 - 1 ft.	SB-D9-2-01 6/29/2000 0 - 2 ft.	SB-D9-2-04 11/18/1999 0 - 1 ft.	SB-D9-2229-01 11/11/1999 0 - 0.5 ft.	SB-D9-2229-05 6/29/2000 0 - 0.75 ft.	SB-D9-3-01 6/29/2000 0 - 1 ft.	SB-D9-3-02 11/11/1999 0 - 1 ft.	SB-D9-4-03 11/10/1999 0 - 1 ft.	SB-D9-5-02 6/29/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.2 BN	0.614 U	0.37 UN	0.5 UN	0.666 U	0.611 U	0.46 UN	0.34 U	0.729 U
ARSENIC	MG/KG	NA	20	20	5.5	4.25	4	3.1 J	3.85	5.7	4.8 J	4.1 N	4.59
BERYLLIUM	MG/KG	NA	2	2	0.57	0.44 J	0.33 *	0.38	0.352 J	0.285 J	0.27 B	0.7	0.318 J
CADMIUM	MG/KG	NA	39	100	0.11 B	0.605	0.02 B	0.3 U	0.531	0.417	0.28 U	0.27 U	0.364
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12	13.7	15	10.9 J	48.4	19.5	8.4 J	15.9	14.1
COPPER	MG/KG	NA	600	600	37.8	18	25	21.2	21.3	19.2	14	20 N	9.93
LEAD	MG/KG	NA	400	600	**433**	43.1	24.1 E	99.5	30.9	24.4	9.2	**600**	26.4
MERCURY	MG/KG	NA	14	270	1.3 J	0.059	0.05	0.11 J	0.028 J	0.026 J	0.05 J	0.07	0.503
NICKEL	MG/KG	NA	250	2400	8.5 E	5.59	5.3	5.2	21.4	8.21	3	8	6.11
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.55 N	0.767 UJ	0.44 N	0.45 J	0.679 UJ	0.753 UJ	0.47 J	0.52	0.745 UJ
SILVER	MG/KG	NA	110	4100	0.13 B	0.307 U	0.22 U	0.3 U	0.333 U	0.306 U	0.28 U	0.27 U	0.364 U
THALLIUM	MG/KG	NA	2	2	0.74 U	1.02 U	0.73 U	1 U	1.11 U	1.02 U	0.92 U	0.91 U	1.22 U
ZINC	MG/KG	NA	1500	1500	46.4	74.5	48.9	24.6	25.2	23.7	14.3	42.3	26.5

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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D9-5-05 11/11/1999 0 - 1.5 ft.	SB-D9-8279-01 11/19/1999 0 - 1 ft.	SB-D9-9108-01 11/10/1999 0 - 0.5 ft.	SB-D9-9108-04 11/10/1999 0 - 1 ft.	SB-D9-9108-07 11/10/1999 0 - 1 ft.	SB-D9-9108-10 11/10/1999 0 - 0.5 ft.	SB-D9-N1-03 11/10/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.97 N	0.47 UN	0.33 U	0.41 UN	0.46 UJ	0.5 UN	0.21 U
ARSENIC	MG/KG	NA	20	20	4.4 J	3.6	5.4 N	4.9 N	3.1 J	3.5 N	4 N
BERYLLIUM	MG/KG	NA	2	2	0.32 B	0.39	0.65	0.61	0.56	0.56	0.25 B
CADMIUM	MG/KG	NA	39	100	0.32 U	0.11 U	0.2 U	0.25 U	0.28 U	0.3 U	0.23 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.5 J	12.3	14	15.9	14	13.4	9
COPPER	MG/KG	NA	600	600	10	17.2	36.2 N	44.4 N	28 J	36.1 N	33.8 N
LEAD	MG/KG	NA	400	600	47.9	113	41.8	60.8	27.6	42.7	66.5
MERCURY	MG/KG	NA	14	270	0.11 J	0.24	0.05	0.06	0.05	0.1	0.07
NICKEL	MG/KG	NA	250	2400	4.3	7	6.7	6.5	6.2	6.2	7.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.97 J	0.36 B	0.26 U	0.33 U	0.34 U	0.22 U	0.57
SILVER	MG/KG	NA	110	4100	0.11 B	0.28 U	0.2 U	0.25 U	0.28 U	0.3 U	0.17 B
THALLIUM	MG/KG	NA	2	2	1.1 U	0.94 U	0.38 B	0.82 U	0.93 U	0.99 U	1.1 U
ZINC	MG/KG	NA	1500	1500	29.1	61.7 N	98.8	95.9	116	74.3	393

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2031B-01 6/30/2000 0 - 1.5 ft.	SB-E10-2031B-04 11/12/1999 0 - 1 ft.	SB-E10-2031C-01 11/12/1999 0 - 1 ft.	SB-E10-2031C-03 6/30/2000 0 - 1.5 ft.	SB-E10-2169-03 11/18/1999 0 - 1 ft.	SB-E10-2169A-01 11/18/1999 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.567 UJ	0.49 UJ	0.37 UJ	0.723 UJ	5.3 UN	0.41 UN
ARSENIC	MG/KG	NA	20	20	4.28	4.2	8.3	3.99	**146**	4
BERYLLIUM	MG/KG	NA	2	2	0.618	0.32	0.49	0.48	0.58 B*	0.55 *
CADMIUM	MG/KG	NA	39	100	0.701	0.56	0.44	0.563	3.7	0.24 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.4	9.7	8.7	11.6	51.3	12.9
COPPER	MG/KG	NA	600	600	20.6	50.5	39.6	25.1	**1190**	26.3
LEAD	MG/KG	NA	400	600	80.6	169	93.6	27.4	1320 E	56.4 E
MERCURY	MG/KG	NA	14	270	0.144 J	0.16	0.11	0.125 J	1.2	0.05
NICKEL	MG/KG	NA	250	2400	9.93	10.3	12.4	11.7	29.1	8.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.852 UJ	0.61	0.8	0.87 UJ	2.4 BN	0.65 N
SILVER	MG/KG	NA	110	4100	0.283 U	0.19 B	0.15 B	0.362 U	3.2 U	0.24 U
THALLIUM	MG/KG	NA	2	2	0.945 U	0.97 U	1 U	1.21 U	10.6 U	0.81 U
ZINC	MG/KG	NA	1500	1500	71.8	83.6	71.4	68.6	545	64.7

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Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2169A-04 6/30/2000 0 - 1.5 ft.	SB-E10-2177-06 11/18/1999 0 - 0.75 ft.	SB-E10-2314-01 7/21/2000 0 - 2 ft.	SB-E10-2314-02 11/22/1999 0 - 2 ft.	SB-E10-4-03 11/17/1999 0 - 0.75 ft.	SB-E10-5-06 11/17/1999 0 - 1 ft.	SB-E10-5-08 11/17/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.443 UJ	0.65 U*	0.642 U	0.49 UN	0.48 UJ	0.41 UJ	0.43 UJ
ARSENIC	MG/KG	NA	20	20	11.9	9	5.62	5.3 *	**22**	6	6.8
BERYLLIUM	MG/KG	NA	2	2	0.512	0.69	0.726 J	0.73	0.65	0.35	0.47
CADMIUM	MG/KG	NA	39	100	1.06	0.17 B	0.62	0.39 N	0.71	0.15 U	0.31
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.7	23.6	14	12.7	14.5	7.5	10.7
COPPER	MG/KG	NA	600	600	34.5	33.9	14	11.7 J	48.1	14	18.6
LEAD	MG/KG	NA	400	600	348 J	**4630**	26.5	32.3	363	**3040**	**1810**
MERCURY	MG/KG	NA	14	270	0.859 J	0.1 *N	0.064	0.04 *	0.58 J	0.15 J	0.25 J
NICKEL	MG/KG	NA	250	2400	7.92	10.5	6.77	6.1	11.6	4.9	6.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.783 UJ	1.5 *N	1.19 U	0.6 U	0.89 U	1.2 *N	1.6 *N
SILVER	MG/KG	NA	110	4100	0.222 U	0.39 U	0.321 U	0.29 UJ	0.1 B	0.14 B	0.26 U
THALLIUM	MG/KG	NA	2	2	0.739 U	1.3 U	1.07 U	0.98 U	0.96 U	0.82 U	0.87 U
ZINC	MG/KG	NA	1500	1500	150	74.3 *N	96.7	154 N	186 J	35.1 J	54.9 J

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ft. = Feet below ground surface

Table 5-3E

Analytical Results
NG Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-618A-04 11/12/1999 0 - 0.5 ft.	SB-E10-8277-01 11/12/1999 0 - 1 ft.	TP-E10-2031B-05 8/8/2000 1 - 3 ft.
Metals, Total							
ANTIMONY	MG/KG	NA	14	340	0.37 BN	0.36 UJ	0.62 U
ARSENIC	MG/KG	NA	20	20	12.4 J	**56.7**	2.38
BERYLLIUM	MG/KG	NA	2	2	0.35	0.28 B	0.5
CADMIUM	MG/KG	NA	39	100	0.26 U	0.26 B	0.31 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11 J	17	9.77
COPPER	MG/KG	NA	600	600	72	20.1	544
LEAD	MG/KG	NA	400	600	**670**	**635**	13.2
MERCURY	MG/KG	NA	14	270	2.8 J	4.8	0.63 J
NICKEL	MG/KG	NA	250	2400	10.4	6.7	9.11
pH	PH	NA	NA	NA	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1 J	0.76 U	0.62
SILVER	MG/KG	NA	110	4100	0.11 B	0.19 B	0.31 U
THALLIUM	MG/KG	NA	2	2	0.86 U	0.98 U	1.03 U
ZINC	MG/KG	NA	1500	1500	84.4	132	35.9

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Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-15-02 11/22/1999 0 - 0.5 ft.	SB-C10-15-02 11/22/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 0.5 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 0.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	530 U	NR	496 U	NR	517 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	530 U	NR	496 U	NR	517 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	530 U	NR	496 U	NR	517 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	530 U	NR	496 U	NR	517 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	530 U	NR	496 U	NR	517 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	1059 U	NR	992 U	NR	1033 U
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	2119 UJ	NR	1984 UJ	NR	2066 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	530 U	NR	496 U	NR	517 U
BENZENE	UG/KG	1000	3000	13000	NR	NR	530 U	NR	496 U	NR	517 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	530 U	NR	496 U	NR	517 U
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	530 U	NR	496 U	NR	517 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	1059 UJ	NR	992 UJ	NR	1033 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	530 U	NR	496 U	NR	517 U
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	530 U	NR	496 U	NR	517 U
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	1059 U	NR	992 U	NR	1033 U
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	530 U	NR	496 U	NR	517 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	1059 U	NR	992 U	NR	1033 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	530 U	NR	496 U	NR	517 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	570 U	NR	584 U	NR	539 U
SOLIDS, PERCENT	PERCENT	NA	NA	NA	88.1	79.4	NR	82.6	NR	74.2	NR
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	530 U	NR	496 U	NR	517 U

Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-15-02 11/22/1999 0 - 0.5 ft.	SB-C10-15-02 11/22/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 0.5 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	530 U	NR	496 U	NR	517 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	530 UJ	NR	496 UJ	NR	517 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	1059 UJ	NR	992 UJ	NR	1033 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 0.5 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	548 U	NR	NR	NR	571 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	548 U	NR	NR	NR	571 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	548 U	NR	NR	NR	571 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	548 U	NR	NR	NR	571 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	548 U	NR	NR	NR	571 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	548 U	NR	NR	NR	571 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	548 U	NR	NR	NR	571 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	1097 U	NR	NR	NR	1143 U	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	2193 UJ	NR	NR	NR	2286 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	548 U	NR	NR	NR	571 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	548 U	NR	NR	NR	571 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	548 U	NR	NR	NR	571 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	548 U	NR	NR	NR	571 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1097 UJ	NR	NR	NR	1143 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	548 U	NR	NR	NR	571 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	548 U	NR	NR	NR	571 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	1097 U	NR	NR	NR	1143 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	548 U	NR	NR	NR	571 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	1097 U	NR	NR	NR	1143 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	548 U	NR	NR	NR	571 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	548 U	NR	NR	NR	571 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	548 U	NR	NR	NR	571 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	660 U	NR	NR	NR	585 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	88.4	NR	88.7	84.3	83.3	NR	86.4
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	548 U	NR	NR	NR	571 U	NR

Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 0.5 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	548 U	NR	NR	NR	571 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	548 U	NR	NR	NR	571 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	548 UJ	NR	NR	NR	571 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	1097 UJ	NR	NR	NR	1143 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-4-02 11/19/1999 0 - 0.5 ft.	SB-C10-4-07 11/19/1999 0 - 1 ft.
Volatile Organic Compounds						
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	78.4	82.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR

Table 5-4A

Analytical Results
PETN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-4-02 11/19/1999 0 - 0.5 ft.	SB-C10-4-07 11/19/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-4B

Analytical Results
PETN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-15-02 11/22/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 UJ	380 UJ	370 UJ	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	2100 UJ	2000 UJ	23000 UJ	1900 UJ	1900 UJ	2000 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**215 J**	**10700 *D**	400 U	4500 U	380 U	370 U	**304 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	760 UJ	840 U	800 U	9000 UJ	760 U	750 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 UJ	2100 U	2000 UJ	23000 UJ	1900 UJ	1900 UJ	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 UJ	2100 U	2000 UJ	23000 UJ	1900 UJ	1900 UJ	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	33 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 UJ	110 J	400 U	4500 U	380 U	34 J	230 J
ANTHRACENE	UG/KG	100000	10000000	10000000	380 UJ	130 J	400 U	4500 U	380 U	44 J	360 J
BENZIDINE	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	58 J	530	400 U	4500 UJ	380 U	200 J	**1900**
BENZO(a)PYRENE	UG/KG	100000	660	660	73 J	410 J	400 U	4500 UJ	380 U	160 J	**1100**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	250 J	**1200**	400 U	4500 UJ	380 U	250 J	**2300**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 UJ	230 J	400 U	4500 UJ	380 U	370 UJ	490
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	100 J	410 J	400 U	4500 UJ	380 U	160 J	**920**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	420 U	400 U	4500 UJ	380 UJ	370 UJ	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 UJ	420 U	400 U	4500 UJ	49 J	110 J	170 J
CHRYSENE	UG/KG	500000	9000	40000	120 J	800	400 U	4500 UJ	380 U	220 J	1900
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	500 J	51 J	52 J	4500 UJ	76 J	42 UJ	46 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	420 U	400 U	4500 UJ	380 UJ	370 UJ	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 UJ	420 U	400 U	4500 UJ	380 U	370 UJ	400 U

Table 5-4B

Analytical Results
PETN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-15-02 11/22/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	120 J	890 J	400 U	4500 U	380 U	640	2400 J
FLUORENE	UG/KG	100000	2300000	10000000	380 UJ	20 J	400 U	4500 U	380 U	40 J	62 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 UJ	420 UJ	400 U	4500 U	380 U	370 U	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 UJ	420 U	400 U	4500 U	380 U	370 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 UJ	230 J	400 U	4500 UJ	380 U	370 UJ	520
ISOPHORONE	UG/KG	50000	1100000	10000000	380 UJ	420 U	400 U	4500 U	380 U	370 U	6200 *D
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 UJ	420 UJ	400 U	4500 U	380 U	370 U	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 UJ	420 UJ	400 U	4500 U	380 U	370 U	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 UJ	420 U	400 U	4500 U	380 U	370 U	100 J
NAPHTHALENE	UG/KG	100000	230000	4200000	380 UJ	36 J	400 UJ	4500 U	380 U	370 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 UJ	2100 U	2000 U	23000 U	1900 U	1900 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	51 J	240 J	400 U	4500 U	380 U	550	880
PHENOL	UG/KG	50000	10000000	10000000	380 UJ	420 UJ	400 U	4500 U	380 U	370 U	400 UJ
PYRENE	UG/KG	100000	1700000	10000000	380 UJ	890	400 U	4500 UJ	380 U	460	3400

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-4B

Analytical Results
PETN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4000 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4000 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4000 U	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4000 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4000 UJ	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	4000 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4000 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4000 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4000 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	20000 UJ	1900 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4000 U	68 R
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4000 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4000 UJ	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	4000 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8000 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	20000 U	1900 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4000 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4000 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4000 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	20000 UJ	1900 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	4000 UJ	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	4000 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	4000 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	4000 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	4000 U	82 J
BENZO(a)PYRENE	UG/KG	100000	660	660	4000 U	99 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	4000 U	190 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	4000 U	390 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4000 U	68 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4000 U	390 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4000 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4000 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4000 U	86 J
CHRYSENE	UG/KG	500000	9000	40000	4000 U	220 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4000 UJ	62 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4000 U	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4000 U	390 UJ

Table 5-4B

Analytical Results
PETN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4000 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4000 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	4000 UJ	260 J
FLUORENE	UG/KG	100000	2300000	10000000	4000 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	4000 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4000 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4000 UJ	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4000 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4000 U	390 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	4000 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4000 UJ	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4000 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	4000 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	4000 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	20000 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	4000 U	350 J
PHENOL	UG/KG	50000	10000000	10000000	4000 UJ	390 U
PYRENE	UG/KG	100000	1700000	10000000	4000 U	450

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-4C

Analytical Results
PETN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-15-02 11/22/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-01 11/19/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	1200 J	140 U	160 U	140 U	140 U	170 J
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	**3700**	140 U	160 U	140 U	140 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	**4600**	140 U	160 U	140 U	140 U	**12000**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**510**	**37000 J**	140 U	160 U	140 U	140 U	**2300 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	250 U	140 U	160 U	140 U	140 U	8500 R
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	210 R	280 U	310 U	280 U	270 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	500 U	280 U	310 U	280 U	270 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	800 R	140 U	160 U	140 U	140 U	6700 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	440 J	280 U	310 U	280 U	270 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	500 U	280 U	310 U	280 U	270 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	250 J	140 U	160 U	140 U	140 U	250 U
NITROGLYCERIN	UG/KG	NA	46000	200000	2000 J	3300 J	5600 U	6100 U	5100 U	4900 U	4900 UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	500 U	280 U	310 U	280 U	270 U	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	260000 J	1300 J	69000 D	12100000 D	6400 D	13000 D	3800 J
TETRYL	UG/KG	NA	780000	10000000	450 U	500 U	280 U	310 U	280 U	270 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-4C

Analytical Results
PETN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-2176-02 11/19/1999 0 - 1 ft.	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.	SB-C10-3-02 11/22/1999 0 - 1 ft.	SB-C10-4-02 11/19/1999 0 - 0.5 ft.	SB-C10-4-07 11/19/1999 0 - 1 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	140 U	220 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	140 U	**310**	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	**680**	220 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**440**	**1900 J**	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	150 JR	220 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	290 U	430 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	290 U	430 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	180 R	220 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	290 U	430 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	290 U	430 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	400 U	4000 U	130 R	220 U	240 U
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5400 U	4500 UJ	4900 UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	290 U	430 U	480 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	1200000 D	430 UJ	4300 J
TETRYL	UG/KG	NA	780000	10000000	NR	NR	290 U	430 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-4D

Analytical Results
PETN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-B10-2178-03 11/19/1999 0 - 1 ft.	SB-B10-2178-05 11/19/1999 0 - 1 ft.	SB-C10-2-04 11/22/1999 0 - 1 ft.	SB-C10-2-05 11/22/1999 0 - 1 ft.	SB-C10-2-07 11/22/1999 0 - 1.67 ft.	SB-C10-2176-02 11/19/1999 0 - 1 ft.	SB-C10-2179-03 11/19/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	3.4 N	**21.8 BN**	0.59 UN	0.42 UN	0.42 UN	1.1 U	0.57 UJ
ARSENIC	MG/KG	NA	20	20	14.6	**274**	11.5 *	6.1 *	3.9 *	**207**	**274**
BERYLLIUM	MG/KG	NA	2	2	0.57	30 U	0.55	0.74	0.79	0.37	0.5
CADMIUM	MG/KG	NA	39	100	1.3	30 U	1.6 N	0.36 N	0.45 N	0.3 U	0.29 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	42	16.6 B	40.3	24.5	26.8	76	44
COPPER	MG/KG	NA	600	600	186	**48500**	390 J	30.4 J	54.5 J	28.5	56
LEAD	MG/KG	NA	400	600	**17200**	270	**1130**	**813**	**782**	377	**603**
MERCURY	MG/KG	NA	14	270	2.3	0.13	7.1 *	0.44 *	0.32 *	0.31	0.12
NICKEL	MG/KG	NA	250	2400	25.8	71.4	32.3	9.9	11.1	8.9	11.1
pH	PH	NA	NA	NA	6.77	6.37	NR	NR	NR	NR	5.73
SELENIUM	MG/KG	NA	63	3100	0.85	15.8 B	0.59 U	0.3 U	0.72 U	0.85	0.9
SILVER	MG/KG	NA	110	4100	0.87	30 U	0.44 J	0.25 UJ	0.25 UJ	0.3 U	0.12 U
THALLIUM	MG/KG	NA	2	2	0.97 U	100 U	1.2 U	0.84 U	0.85 U	0.99 U	0.98 U
ZINC	MG/KG	NA	1500	1500	1330 N	**27700 N**	482 N	126 N	101 N	101 N	183 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-4D

Analytical Results
PETN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-C10-3-02 11/22/1999 0 - 1 ft.	SB-C10-4-02 11/19/1999 0 - 0.5 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	0.29 BN	NR
ARSENIC	MG/KG	NA	20	20	7.8 *	NR
BERYLLIUM	MG/KG	NA	2	2	0.26 B	NR
CADMIUM	MG/KG	NA	39	100	0.13 BN	NR
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.4	NR
COPPER	MG/KG	NA	600	600	39.7 J	NR
LEAD	MG/KG	NA	400	600	**971**	NR
MERCURY	MG/KG	NA	14	270	0.32 *	NR
NICKEL	MG/KG	NA	250	2400	5.8	NR
pH	PH	NA	NA	NA	NR	6.24
SELENIUM	MG/KG	NA	63	3100	0.54 U	NR
SILVER	MG/KG	NA	110	4100	0.1 J	NR
THALLIUM	MG/KG	NA	2	2	0.9 U	NR
ZINC	MG/KG	NA	1500	1500	69.2 N	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-4-01 3/31/2000 0.5 - 1.0 ft.	SB-G6-8243-03 3/30/2000 0.5 - 1.0 ft.	SB-G6-8244-01 3/31/2000 0.5 - 1.0 ft.	SB-G6-8244-03 7/14/2000 0.5 - 1.0 ft.	SB-G6-8261-03 3/30/2000 0.5 - 1.0 ft.	SB-G6-8261-05 3/30/2000 0.5 - 1.0 ft.	SB-G6-906-02 9/13/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 UJ	539 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	579 UJ	580 UJ	481 UJ	601 UJ	520 UJ	520 U	539 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	579 UJ	580 UJ	481 UJ	NR	520 U	520 U	539 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1157 UJ	1200 UJ	962 UJ	1200 UJ	1000 UJ	1000 UJ	1080 U
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	539 U
ACROLEIN	UG/KG	NA	NA	NA	2315 UJ	2300 UJ	1923 UJ	2400 UJ	2100 U	2100 U	2160 U
ACRYLONITRILE	UG/KG	1000	1000	5000	579 UJ	580 UJ	481 UJ	601 UJ	520 UJ	520 U	NR
BENZENE	UG/KG	1000	3000	13000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
BROMOFORM	UG/KG	1000	86000	370000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
BROMOMETHANE	UG/KG	1000	79000	1000000	159 J	1200 UJ	962 UJ	NR	1000 U	1000 U	1080 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	579 UJ	580 UJ	481 UJ	601 UJ	420 J	520 U	574
CHLOROBENZENE	UG/KG	1000	37000	680000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
CHLOROETHANE	UG/KG	NA	NA	NA	1157 UJ	1200 UJ	962 UJ	1200 UJ	1000 U	1000 U	1080 U
CHLOROFORM	UG/KG	1000	19000	28000	129 J	170 U	481 UJ	601 UJ	330 U	680 U	539 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	432 J	1200 UJ	962 UJ	1200 UJ	1000 U	1000 U	1080 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	539 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	984 UJ	540 UJ	478 U	1780 U	640 UJ	790 UJ	529 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520 U	539 U

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-4-01 3/31/2000 0.5 - 1.0 ft.	SB-G6-8243-03 3/30/2000 0.5 - 1.0 ft.	SB-G6-8244-01 3/31/2000 0.5 - 1.0 ft.	SB-G6-8244-03 7/14/2000 0.5 - 1.0 ft.	SB-G6-8261-03 3/30/2000 0.5 - 1.0 ft.	SB-G6-8261-05 3/30/2000 0.5 - 1.0 ft.	SB-G6-906-02 9/13/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	579 UJ	580 UJ	481 UJ	220 J	170 J	520 U	539 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	579 UJ	580 UJ	481 UJ	601 UJ	520 UJ	520 UJ	539 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	579 UJ	580 UJ	481 UJ	601 UJ	520 U	520	539 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1157 UJ	1200 UJ	962 UJ	NR	1000 U	1000 U	1080 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-04 3/30/2000 0.5 - 1.0 ft.	SB-H6-8120-05 3/30/2000 0.5 - 1.0 ft.	SB-H6-8120-06 3/30/2000 0.5 - 1.0 ft.	SB-H6-8247-02 4/13/2000 0.5 - 1.0 ft.	SB-H6-8247-05 4/13/2000 0.5 - 1.0 ft.	SB-H7-8248-02 3/31/2000 0.5 - 1.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	590 UJ	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1200 UJ	1100 UJ	1100 UJ	1126 UJ	1078 UJ	1116 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2400 U	2200 UJ	2300 UJ	2252 UJ	2155 UJ	2232 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	590 UJ	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
BENZENE	UG/KG	1000	3000	13000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
BROMOFORM	UG/KG	1000	86000	370000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1200 U	1100 UJ	1100 UJ	1126 UJ	1078 UJ	907 J
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	590 U	230 J	570 UJ	563 UJ	539 UJ	558 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1200 U	1100 UJ	1100 UJ	1126 UJ	1078 UJ	1116 UJ
CHLOROFORM	UG/KG	1000	19000	28000	590 U	200 U	150 U	121 UJ	118 UJ	558 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1200 U	1100 UJ	1100 UJ	1126 UJ	1078 UJ	1411 J
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 UJ	370 UJ	550 UJ	617 UJ	598 UJ	731 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-04 3/30/2000 0.5 - 1.0 ft.	SB-H6-8120-05 3/30/2000 0.5 - 1.0 ft.	SB-H6-8120-06 3/30/2000 0.5 - 1.0 ft.	SB-H6-8247-02 4/13/2000 0.5 - 1.0 ft.	SB-H6-8247-05 4/13/2000 0.5 - 1.0 ft.	SB-H7-8248-02 3/31/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	590 U	540 UJ	570 UJ	232 J	539 UJ	558 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	590 UJ	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	590 U	540 UJ	570 UJ	563 UJ	539 UJ	558 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1200 U	1100 UJ	1100 UJ	1126 UJ	1078 UJ	1132 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8252-01 3/31/2000 0.5 - 1.0 ft.	SB-H7-8255-02 4/13/2000 0.5 - 1.0 ft.	SB-H7-916-01 3/30/2000 0.5 - 1.0 ft.	SB-I5-7-01 7/21/2000 0.5 - 1.0 ft.	SB-I5-7-05 4/13/2000 0.5 - 1.0 ft.	SB-I6-8-01 7/14/2000 0.5 - 1.0 ft.	SB-I6-8125-03 4/13/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	517 UJ	579 UJ	560 U	NR	584 UJ	543 U	534 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1033 UJ	1157 UJ	1100 U	1150 UJ	1168 UJ	1087 U	1068 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2066 UJ	2315 UJ	2200 U	2290 UJ	2336 UJ	2174 U	2137 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	517 UJ	579 UJ	560 U	5730 UJ	584 UJ	543 U	534 UJ
BENZENE	UG/KG	1000	3000	13000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
BROMOFORM	UG/KG	1000	86000	370000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	220 J	1157 UJ	1100 U	1150 UJ	1168 UJ	NR	1068 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1033 UJ	1157 UJ	1100 U	1150 UJ	1168 UJ	1087 U	1068 UJ
CHLOROFORM	UG/KG	1000	19000	28000	141 J	125 UJ	230 JB	573 UJ	140 UJ	543 U	121 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	315 J	1157 UJ	1100 U	1150 UJ	1168 UJ	287 J	1068 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	517 UJ	579 UJ	560 U	NR	584 UJ	543 U	534 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	573 UJ	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1164 UJ	552 UJ	**1100 B**	651 UJ	629 UJ	997 J	529 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8252-01 3/31/2000 0.5 - 1.0 ft.	SB-H7-8255-02 4/13/2000 0.5 - 1.0 ft.	SB-H7-916-01 3/30/2000 0.5 - 1.0 ft.	SB-I5-7-01 7/21/2000 0.5 - 1.0 ft.	SB-I5-7-05 4/13/2000 0.5 - 1.0 ft.	SB-I6-8-01 7/14/2000 0.5 - 1.0 ft.	SB-I6-8125-03 4/13/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	517 UJ	579 UJ	560 U	573 UJ	584 UJ	543 U	534 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	517 UJ	579 UJ	560 U	573 UJ	145 J	543 U	534 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1033 UJ	1157 UJ	1100 U	NR	1168 UJ	1087 U	1068 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8125-05 4/13/2000 0.5 - 1.0 ft.	SB-I6-8125-07 4/13/2000 0.5 - 1.0 ft.	SB-I6-8171-01 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-04 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-06 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-07 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171A-02 4/13/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1059 UJ	1042 UJ	1050 U	1087 U	1136 UJ	1025 U	1168 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2119 UJ	2083 UJ	2101 U	2174 U	2273 UJ	2049 U	2336 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
BENZENE	UG/KG	1000	3000	13000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
BROMOFORM	UG/KG	1000	86000	370000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1059 UJ	1042 UJ	227 U	249 U	249 UJ	283 U	1168 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1059 UJ	1042 UJ	1050 U	1087 U	1136 UJ	1025 U	1168 UJ
CHLOROFORM	UG/KG	1000	19000	28000	108 UJ	110 UJ	156 U	192 U	180 UJ	182 U	136 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1059 UJ	1042 UJ	208 J	159 J	143 J	216 J	1168 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	514 UJ	508 UJ	764 U	625 U	699 UJ	629 U	817 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8125-05 4/13/2000 0.5 - 1.0 ft.	SB-I6-8125-07 4/13/2000 0.5 - 1.0 ft.	SB-I6-8171-01 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-04 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-06 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171-07 4/7/2000 0.5 - 1.0 ft.	SB-I6-8171A-02 4/13/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	530 UJ	521 UJ	116 J	544 U	568 UJ	512 U	584 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	530 UJ	521 UJ	525 U	544 U	568 UJ	512 U	584 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	530 UJ	521 UJ	124 J	544 U	568 UJ	316 J	584 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1059 UJ	1042 UJ	1050 U	1087 U	1136 UJ	1025 U	1168 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-E4-01 7/14/2000 0.5 - 1.0 ft.	SB-J6-942A-04 4/13/2000 0.5 - 1.0 ft.	SB-L5-1-01 7/14/2000 0.5 - 1.0 ft.	SB-L5-5-01 4/28/2000 0.5 - 1.0 ft.	SB-L5-5-03 7/14/2000 0.5 - 1.0 ft.	TP-G6-906-01 8/17/2000 2 - 2.5 ft.	TP-G7-2347-02 8/17/2000 2 - 2.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1106 U	1068 UJ	1050 U	1000 UJ	1289 U	1190 UJ	1070 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2212 U	2137 UJ	2100 U	2100 UJ	2577 U	2380 UJ	2140 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
BENZENE	UG/KG	1000	3000	13000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
BROMOFORM	UG/KG	1000	86000	370000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1068 UJ	NR	1000 U	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1106 U	1068 UJ	1050 U	1000 U	1289 U	1190 UJ	1070 UJ
CHLOROFORM	UG/KG	1000	19000	28000	553 U	130 U	525 U	110 U	644 U	595 UJ	534 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	252 J	1068 UJ	1050 U	1000 U	798 J	1190 UJ	1070 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	905 J	680 U	**1460 J**	820 U	**2340 J**	1170 UJ	976 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-E4-01 7/14/2000 0.5 - 1.0 ft.	SB-J6-942A-04 4/13/2000 0.5 - 1.0 ft.	SB-L5-1-01 7/14/2000 0.5 - 1.0 ft.	SB-L5-5-01 4/28/2000 0.5 - 1.0 ft.	SB-L5-5-03 7/14/2000 0.5 - 1.0 ft.	TP-G6-906-01 8/17/2000 2 - 2.5 ft.	TP-G7-2347-02 8/17/2000 2 - 2.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	534 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	553 U	534 UJ	525 U	520 U	644 U	595 UJ	729 J
VINYL CHLORIDE	UG/KG	10000	2000	7000	1106 U	1068 UJ	1050 U	1000 U	1289 U	1190 UJ	1070 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G7-2347-03 8/17/2000 2 - 2.5 ft.	TP-G7-8140-05 7/27/2000 8 - 8.5 ft.	TP-H5-1-01 8/8/2000 10 - 10.5 ft.	TP-H5-3-01 8/8/2000 9 - 9.5 ft.	TP-H6-10-A 7/26/2000 10 - 10.5 ft.	TP-H6-11A 7/26/2000 4 - 4.5 ft.	TP-H6-8152A/8152B 7/27/2000 7 - 7.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	590 UJ	584 U	663 U	705 U	517 U	NR	512 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1180 UJ	1170 UJ	1330 UJ	1410 UJ	1030 UJ	1050 UJ	1020 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2360 UJ	2340 U	2650 U	2820 U	2070 U	5250 U	2050 U
ACRYLONITRILE	UG/KG	1000	1000	5000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
BENZENE	UG/KG	1000	3000	13000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
BROMOFORM	UG/KG	1000	86000	370000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1170 U	NR	NR	1030 U	1050 U	1020 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
CHLOROBENZENE	UG/KG	1000	37000	680000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
CHLOROETHANE	UG/KG	NA	NA	NA	1180 UJ	1170 U	1330 U	1410 U	1030 U	1050 U	1020 U
CHLOROFORM	UG/KG	1000	19000	28000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1180 UJ	1170 UJ	1330 UJ	1410 UJ	1030 UJ	1050 UJ	1020 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	590 UJ	NR	663 U	705 U	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	584 U	NR	NR	517 U	525 U	512 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1190 UJ	467 U	436 U	705 U	441 U	445 U	401 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G7-2347-03 8/17/2000 2 - 2.5 ft.	TP-G7-8140-05 7/27/2000 8 - 8.5 ft.	TP-H5-1-01 8/8/2000 10 - 10.5 ft.	TP-H5-3-01 8/8/2000 9 - 9.5 ft.	TP-H6-10-A 7/26/2000 10 - 10.5 ft.	TP-H6-11A 7/26/2000 4 - 4.5 ft.	TP-H6-8152A/8152B 7/27/2000 7 - 7.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	590 UJ	584 U	663 U	705 U	517 U	525 U	512 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	390 J	584 U	663 U	705 U	517 U	525 U	512 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1180 UJ	1170 U	1330 U	1410 U	1030 U	NR	1020 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H6-8285-12 7/26/2000 5.5 - 6.0 ft.	TP-H7-12-01 7/27/2000 7 - 7.5 ft.	TP-M5-10-01 8/8/2000 4 - 4.5 ft.
Volatile Organic Compounds							
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	543 U	558 U	694 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	543 U	558 U	694 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	543 U	558 U	694 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	543 U	558 U	694 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	543 U	558 U	694 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	543 U	558 U	694 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	543 U	558 U	694 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1090 UJ	1120 UJ	1390 U
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	5430 U	2230 U	2780 U
ACRYLONITRILE	UG/KG	1000	1000	5000	543 U	5580 U	694 U
BENZENE	UG/KG	1000	3000	13000	543 U	558 U	694 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	543 U	558 U	694 U
BROMOFORM	UG/KG	1000	86000	370000	543 U	558 U	694 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1090 U	1120 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	543 U	558 U	694 U
CHLOROBENZENE	UG/KG	1000	37000	680000	543 U	558 U	694 U
CHLOROETHANE	UG/KG	NA	NA	NA	1090 U	1120 U	1390 U
CHLOROFORM	UG/KG	1000	19000	28000	543 U	558 U	694 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1090 UJ	1120 UJ	1390 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	694 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	543 U	558 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	543 U	558 U	694 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	543 U	558 U	694 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	447 U	471 U	694 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	543 U	558 U	694 U

Table 5-5A

Analytical Results
Development Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H6-8285-12 7/26/2000 5.5 - 6.0 ft.	TP-H7-12-01 7/27/2000 7 - 7.5 ft.	TP-M5-10-01 8/8/2000 4 - 4.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	543 U	558 U	694 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	543 U	558 U	694 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	543 U	558 U	694 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1090 U	1120 U	1390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-2-02 6/21/2000 0 - 1.25 ft.	SB-G6-2-03 3/30/2000 0 - 1 ft.	SB-G6-3-01 3/28/2000 0 - 2 ft.	SB-G6-3-02 6/21/2000 0 - 1 ft.	SB-G6-4-01 3/31/2000 0 - 1 ft.	SB-G6-8128-04 3/28/2000 0 - 1 ft.	SB-G6-8129-01 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4480 U	550 UJ	400 U	396 U	480 UJ	530 U	110 J	5600 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	8960 U	1100 UJ	800 U	792 U	950 U	1100 U	850 U	11000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4480 U	550 UJ	400 U	**37 J**	480 U	**84 J**	**87 J**	5600 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	550 UJ	400 U	NR	480 U	530 U	430 U	5600 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8960 U	1100 UJ	800 U	792 U	950 U	1100 U	850 UJ	11000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	8960 U	1100 UJ	800 U	792 UJ	950 UJ	1100 U	850 U	11000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1100 UJ	800 U	NR	950 UJ	1100 U	850 U	11000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	2390 J	550 UJ	400 U	396 U	480 U	47 J	430 U	5600 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	5970	60 J	80 J	91 J	35 J	180 J	430 U	5600 U
ANTHRACENE	UG/KG	100000	10000000	10000000	8790	93 J	65 J	183 J	30 J	200 J	430 U	5600 U
BENZIDINE	UG/KG	NA	NA	NA	4480 UJ	550 UJ	400 U	396 UJ	480 U	530 U	430 U	5600 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**27500**	260 J	540	554	180 J	710	100 J	440 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**18800**	250 J	380 J	392 J	210 J	**920**	94 J	**800 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**28300**	340 J	570	615	490	**1500**	170 J	5600 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	7190	200 J	400 U	157 J	210 J	910 J	430 UJ	1700 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**9320**	160 J	200 J	208 J	170 J	630	430 UJ	5600 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 UJ	5600 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4480 U	27 J	400 U	396 U	70 J	250 J	46 J	5600 U
CHRYSENE	UG/KG	500000	9000	40000	**24600**	300 J	440	463	340 J	980	170 J	1100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4480 UJ	72 J	400 U	396 U	52 J	340 J	430 U	5600 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 UJ	5600 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-2-02 6/21/2000 0 - 1.25 ft.	SB-G6-2-03 3/30/2000 0 - 1 ft.	SB-G6-3-01 3/28/2000 0 - 2 ft.	SB-G6-3-02 6/21/2000 0 - 1 ft.	SB-G6-4-01 3/31/2000 0 - 1 ft.	SB-G6-8128-04 3/28/2000 0 - 1 ft.	SB-G6-8129-01 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	**2890 J**	550 UJ	400 U	396 U	480 UJ	270 J	430 UJ	5600 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4480 UJ	550 UJ	400 U	396 U	40 J	92 J	190 J	5600 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	61600	710 J	630	1350	630	1400	170 J	770 J
FLUORENE	UG/KG	100000	2300000	10000000	8520	45 J	400 U	50 J	480 U	92 J	430 U	5600 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	550 UJ	400 U	NR	480 U	530 U	430 U	5600 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4480 UJ	550 UJ	400 U	396 UJ	480 U	530 U	430 U	5600 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4480 U	550 UJ	400 U	396 U	480 UJ	530 U	430 U	5600 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**7440**	180 J	400 U	172 J	170 J	750	430 UJ	5600 U
ISOPHORONE	UG/KG	50000	1100000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4480 UJ	550 UJ	400 U	396 UJ	480 UJ	530 U	430 U	5600 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	4480 U	550 UJ	400 U	396 U	480 U	530 U	330 J	5600 U
NAPHTHALENE	UG/KG	100000	230000	4200000	14900	550 UJ	400 U	396 U	480 U	56 J	430 U	5600 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	8960 U	1100 UJ	800 U	792 U	950 U	1100 U	850 U	11000 U
PHENANTHRENE	UG/KG	NA	NA	NA	71800	480 J	310 J	1070	300 J	960	270 J	620 J
PHENOL	UG/KG	50000	10000000	10000000	4480 U	550 UJ	400 U	396 U	480 U	530 U	430 U	5600 U
PYRENE	UG/KG	100000	1700000	10000000	54200	530 J	540	663	490	1300	160 J	5600 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8242-04 4/4/2000 0 - 1.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.	SB-G6-8244-01 3/31/2000 0 - 1.5 ft.	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G6-8261-03 3/30/2000 0.5 - 2.5 ft.	SB-G6-8261-05 3/30/2000 0.5 - 2.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	530 U	420 U	450 U	430 U	386 U	520 U	520 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	530 U	420 U	450 U	430 U	386 U	520 U	520 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 UJ	386 U	NR	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	530 U	420 U	450 U	430 U	386 U	520 U	520 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	530 U	420 U	450 U	430 U	386 U	520 U	520 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	530 U	420 U	450 U	430 U	386 U	NR	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	530 U	420 U	450 U	430 U	386 U	NR	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1100 U	830 U	900 U	850 U	772 U	NR	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**448 J**	420 U	**140 J**	430 U	**2297**	NR	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 U	386 U	NR	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	530 U	420 U	450 U	430 U	386 U	NR	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 U	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1100 U	830 U	900 U	850 U	772 U	NR	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1100 U	830 U	900 U	850 UJ	772 U	NR	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 U	386 U	NR	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 U	386 U	NR	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	1100 U	830 U	900 U	850 UJ	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	530 U	420 U	32 J	430 U	386 U	NR	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	26 J	31	57 J	19 J	386 U	NR	NR
ANTHRACENE	UG/KG	100000	10000000	10000000	75 J	39 J	85 J	430 U	104 J	NR	NR
BENZIDINE	UG/KG	NA	NA	NA	530 U	420 UJ	450 U	430 U	386 U	NR	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	200 J	220 J	360 J	82 J	412	NR	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	260 J	240 J	420 J	110 J	371 J	NR	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 J	320 J	600	150 J	628	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	260 J	150 J	370 J	120 J	381 J	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	200 J	420 U	230 J	430 U	226 J	NR	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	530 U	420 U	450 U	430 U	386 U	NR	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	530 U	420 U	450 U	430 U	386 U	NR	NR
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	140 J	50 J	96 U	63 J	79.1 J	NR	NR
CHRYSENE	UG/KG	500000	9000	40000	280 J	280 J	450 J	150 J	603	NR	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	530 U	420 U	260 U	220 J	79.9 J	NR	NR
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8242-04 4/4/2000 0 - 1.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.	SB-G6-8244-01 3/31/2000 0 - 1.5 ft.	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G6-8261-03 3/30/2000 0.5 - 2.5 ft.	SB-G6-8261-05 3/30/2000 0.5 - 2.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	530 U	420 U	100 J	430 UJ	114 J	NR	NR
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	130 J	420 U	130 J	430 U	386 U	NR	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	530 U	420 U	450 U	38 J	386 U	NR	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	330 J	520	890	230 J	884	NR	NR
FLUORENE	UG/KG	100000	2300000	10000000	530 U	420 U	47 J	430 U	386 U	NR	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	530 U	420 U	450 U	430 U	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	530 U	420 U	450 U	430 U	386 U	520 U	520 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	530 U	420 U	450 U	430 U	386 U	NR	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	530 U	420 U	450 U	430 UJ	386 U	NR	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	230 J	130 J	330 J	84 J	334 J	NR	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	530 U	420 U	450 U	430 U	462	NR	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	530 U	420 U	450 UJ	430 UJ	386 U	NR	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	530 U	420 U	450 U	85 J	NR	NR	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	37 J	420 U	450 U	430 U	386 U	440 J	520 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1100 U	830 U	900 U	850 U	772 U	NR	NR
PHENANTHRENE	UG/KG	NA	NA	NA	260 J	310 J	630	220 J	494	NR	NR
PHENOL	UG/KG	50000	10000000	10000000	530 U	420 U	450 U	430 U	386 U	NR	NR
PYRENE	UG/KG	100000	1700000	10000000	410 J	500	800	180 J	1180	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-906-02 9/13/2000 0.5 - 2.5 ft.	SB-G6-9219-04 6/22/2000 0 - 1.5 ft.	SB-G6-9219-05 3/30/2000 0 - 1.5 ft.	SB-G7-8139-05 3/28/2000 0 - 1 ft.	SB-G7-8140-02 3/28/2000 0 - 2 ft.	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-G8-2293-02 4/4/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	539 U	437 U	380 UJ	450 U	380 U	420 U	470 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	539 U	437 U	380 UJ	450 U	380 U	420 U	470 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	539 U	437 U	380 UJ	450 U	380 U	420 U	470 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	539 U	437 U	380 UJ	450 U	380 U	420 U	470 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	874 U	770 UJ	900 U	770 U	830 U	940 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	437 U	380 UJ	450 U	380 U	**873 J**	470 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	380 UJ	450 U	380 U	420 U	470 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	874 U	770 UJ	900 U	770 U	830 U	940 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	874 U	770 UJ	900 U	770 U	830 U	940 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	770 UJ	900 U	770 U	830 U	940 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	437 U	380 UJ	450 U	380 U	110 J	470 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	437 U	380 UJ	120 J	380 U	120 J	48 J
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	437 U	380 UJ	45 J	380 U	180 J	57 J
BENZIDINE	UG/KG	NA	NA	NA	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	46.33 J	380 UJ	240 J	83 J	**1300**	550
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	51.13 J	380 UJ	530	380 U	**1600**	640
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	437 U	380 UJ	880	380 U	**3300**	**1000**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	437 U	380 UJ	860 J	380 U	1200 J	520
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	437 U	380 UJ	360 J	380 U	**1300**	310 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	68.18 J	22 J	52 J	72 J	320 J	52 J
CHRYSENE	UG/KG	500000	9000	40000	NR	437 U	380 UJ	300 J	120 J	1600	780
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	69.49 J	380 UJ	95 J	67 J	2000	57 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-906-02 9/13/2000 0.5 - 2.5 ft.	SB-G6-9219-04 6/22/2000 0 - 1.5 ft.	SB-G6-9219-05 3/30/2000 0 - 1.5 ft.	SB-G7-8139-05 3/28/2000 0 - 1 ft.	SB-G7-8140-02 3/28/2000 0 - 2 ft.	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-G8-2293-02 4/4/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	437 U	380 UJ	200 J	380 U	410 J	150 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	437 UJ	380 UJ	2900	160 J	2500	470 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	437 U	380 UJ	450 U	380 U	200 J	470 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	79.1 J	380 UJ	250 J	130 J	2400	1200
FLUORENE	UG/KG	100000	2300000	10000000	NR	437 U	380 UJ	450 U	380 U	68 J	470 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	380 UJ	450 U	380 U	420 U	470 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	539 U	437 U	380 UJ	450 U	380 U	420 U	470 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	437 U	380 UJ	740	380 U	**1200**	480
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	437 UJ	380 UJ	450 U	380 U	420 U	470 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	437 U	380 UJ	140 J	380 U	110 J	470 U
NAPHTHALENE	UG/KG	100000	230000	4200000	539 U	437 U	380 UJ	19 J	380 U	68 J	470 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	874 U	770 UJ	900 U	770 U	830 U	940 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	54.63 J	380 UJ	79 J	67 J	1200	440 J
PHENOL	UG/KG	50000	10000000	10000000	NR	437 U	380 UJ	450 U	380 U	420 U	470 U
PYRENE	UG/KG	100000	1700000	10000000	NR	437 U	380 UJ	290 J	120 J	2300	810

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-8177A-01 4/4/2000 0 - 2 ft.	SB-G8-8178-01 4/4/2000 0 - 2 ft.	SB-G8-8178-02 7/7/2000 0 - 2 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-8126-07 7/13/2000 0 - 0.75 ft.	SB-H5-8254-01 9/27/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	399 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	740 U	719 U	880 U	733 U	699 U	797 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	370 U	359 U	**286 J**	**160 J**	349 U	399 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	370 U	NR	440 U	NR	NR	399 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	740 U	719 UJ	880 U	733 U	699 U	797 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	740 U	719 U	880 U	733 U	699 U	797 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	740 U	NR	880 U	NR	NR	797 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 U	399 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	370 UJ	359 U	440 UJ	367 U	349 UJ	399 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	370 U	359 U	440 U	49.1 J	349 U	92.1 J
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	370 U	359 U	440 U	367 U	349 U	105 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	370 U	359 U	440 U	107 J	349 U	158 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	95.7 J	349 U	399 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	370 U	359 U	440 U	62.7 J	349 U	399 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	370 U	359 U	440 U	280 J	349 U	399 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 U	399 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	370 U	359 U	440 UJ	367 U	349 UJ	399 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	39 J	27 J	53.2 J	45 J	658	349 U	316 J
CHRYSENE	UG/KG	500000	9000	40000	400 U	370 U	359 U	61 J	99.7 J	349 U	117 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	370 U	208 J	110 J	206 J	349 U	399 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	370 U	359 U	440 UJ	367 U	349 U	399 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-8177A-01 4/4/2000 0 - 2 ft.	SB-G8-8178-01 4/4/2000 0 - 2 ft.	SB-G8-8178-02 7/7/2000 0 - 2 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-8126-07 7/13/2000 0 - 0.75 ft.	SB-H5-8254-01 9/27/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	370 U	359 U	440 U	367 U	349 U	399 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	370 U	359 U	440 U	380	349 U	399 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	370 U	359 U	440 U	88 J	349 U	149 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	370 U	NR	440 U	NR	NR	399 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	370 U	359 UJ	440 U	367 U	349 U	399 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	370 U	359 U	440 U	74 J	349 U	399 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	370 U	359 U	440 U	**1300**	349 U	399 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	370 U	359 U	440 U	367 U	349 UJ	399 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	370 U	NR	440 U	NR	NR	399 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	740 U	719 U	880 U	733 U	699 U	250 J
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	370 U	359 U	34 J	61.6 J	349 U	72.6 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	370 U	359 U	440 U	367 U	349 U	399 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	370 U	359 U	440 UJ	152 J	349 U	173 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H5-8254-04 7/13/2000 0 - 1.25 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-1-02 4/14/2000 0 - 2 ft.	SB-H6-1-03 6/21/2000 0 - 2 ft.	SB-H6-8116-01 3/30/2000 0 - 1 ft.	SB-H6-8116-02 6/21/2000 0 - 1.25 ft.	SB-H6-8120-04 3/30/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	377 U	420 U	450 U	533 U	410 U	462 UJ	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	410 U	462 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	754 U	840 U	890 U	1066 U	820 U	924 UJ	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	377 U	420 U	450 U	533 U	**120 J**	462 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	420 U	450 U	NR	410 U	NR	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	754 U	840 U	890 U	1066 U	820 U	924 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	754 U	840 U	890 U	1066 U	820 U	924 UJ	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	410 U	462 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	410 U	462 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	840 U	890 U	NR	820 U	NR	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	377 U	47 J	450 U	533 U	50 J	66 J	86 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	51 J	27 J	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	377 U	130 J	450 U	533 U	180 J	163 J	210 J
BENZIDINE	UG/KG	NA	NA	NA	377 U	420 UJ	450 U	533 UJ	410 U	462 UJ	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	160 J	**1700**	37 J	125 J	450	510	620
BENZO(a)PYRENE	UG/KG	100000	660	660	188 J	**1700**	40 J	110 J	400 J	419 J	620
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	257 J	**2200**	450 U	255 J	620	501	830
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	157 J	890	450 U	533 U	350 UJ	228 J	390 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	74.7 J	760	450 U	533 U	220 J	210 J	380 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	115 J	420 U	450 UJ	533 U	690	462 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	377 U	420 U	450 U	533 U	410 U	462 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	377 U	420 UJ	450 U	533 U	410 U	462 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	868	420 U	24 J	31 J	1900 B	97 J	120 U
CHRYSENE	UG/KG	500000	9000	40000	237 J	1700	42 J	158 J	440	432 J	620
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	149 J	420 U	450 U	533 UJ	2300 B	78 UJ	200 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	377 U	420 UJ	450 U	533 U	410 U	462 U	410 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H5-8254-04 7/13/2000 0 - 1.25 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-1-02 4/14/2000 0 - 2 ft.	SB-H6-1-03 6/21/2000 0 - 2 ft.	SB-H6-8116-01 3/30/2000 0 - 1 ft.	SB-H6-8116-02 6/21/2000 0 - 1.25 ft.	SB-H6-8120-04 3/30/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	377 U	250 J	450 U	533 U	100 UJ	462 U	120 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	377 U	420 U	450 U	533 UJ	520	462 U	34 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	326 J	2800	88 J	277 J	1100	1040	1300
FLUORENE	UG/KG	100000	2300000	10000000	377 U	30 J	450 U	533 U	88 J	76 J	93 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	420 U	450 U	NR	410 U	NR	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	377 U	420 U	450 UJ	533 U	410 U	462 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	377 U	420 U	450 UJ	533 UJ	410 U	462 UJ	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	140 J	800	450 U	533 U	310 UJ	196 J	350 J
ISOPHORONE	UG/KG	50000	1100000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	49.8 J	420 U	450 U	533 U	410 U	462 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	377 U	420 U	450 UJ	533 UJ	410 UJ	462 UJ	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	420 U	450 U	533 U	650	462 U	110 J
NAPHTHALENE	UG/KG	100000	230000	4200000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1880	840 U	890 U	1066 U	820 U	924 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	190 J	700	47 J	102 J	870	965	880
PHENOL	UG/KG	50000	10000000	10000000	377 U	420 U	450 U	533 U	410 U	462 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	559	3000 J	450 UJ	199 J	910	919	990

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-05 3/30/2000 0 - 2 ft.	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8122-01 3/30/2000 0 - 0.75 ft.	SB-H6-8123B-04 4/4/2000 0 - 2 ft.	SB-H6-8123B-06 4/4/2000 0 - 1 ft.	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	450 U	460 UJ	420 U	450 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	450 U	460 UJ	420 U	450 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	450 U	460 UJ	420 U	450 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	900 U	910 UJ	840 U	900 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	450 U	460 UJ	420 U	450 U	**81 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	450 U	460 UJ	420 U	450 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 UJ	900 U	910 UJ	840 UJ	900 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	900 U	910 UJ	840 U	900 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 UJ	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 U	900 U	910 UJ	840 U	900 UJ	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	96 J	160 J	420 U	450 U	98 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	48 J	29 J	420 U	450 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	300 J	570 UJ	420 U	450 U	190 J
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	450 U	460 UJ	420 UJ	450 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	70 J	**1000**	**1200 J**	97 J	450 U	450
BENZO(a)PYRENE	UG/KG	100000	660	660	61 J	**980**	**1100 J**	68 J	450 U	400
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	110 J	**1300**	**1400 J**	93 J	450 U	560
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 UJ	700	870 J	420 U	450 U	190 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	480	590 J	420 U	450 U	190 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	450 U	150 UJ	140 J	450 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	450 U	460 UJ	420 U	450 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	49 U	91 U	180 J	57 J	450 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	51 J	900	920 J	73 J	450 U	370 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	8800 U	500 U	77 UJ	420 U	450 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-05 3/30/2000 0 - 2 ft.	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8122-01 3/30/2000 0 - 0.75 ft.	SB-H6-8123B-04 4/4/2000 0 - 2 ft.	SB-H6-8123B-06 4/4/2000 0 - 1 ft.	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	210 J	210 J	420 U	450 UJ	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	2100	460 UJ	420 U	450 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	100 J	1800	3700 UJ	140 J	450 U	1100
FLUORENE	UG/KG	100000	2300000	10000000	410 U	110 J	230 J	420 U	450 U	93 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	450 U	460 UJ	420 U	450 UJ	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	450 U	460 UJ	420 U	450 UJ	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	450 U	460 UJ	420 U	450 UJ	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	450 U	460 UJ	420 U	450 UJ	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	560	750 J	420 U	450 UJ	190 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	450 U	460 UJ	420 U	450 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	450 U	460 UJ	420 U	450 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1400	150 J	460 UJ	420 U	450 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	110 J	76 J	420 U	450 U	46 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	900 U	910 UJ	840 U	900 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	24 J	1000	2600 J	70 J	450 U	770
PHENOL	UG/KG	50000	10000000	10000000	410 U	450 U	460 UJ	420 U	450 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	1600	2200 UJ	140 J	450 U	600

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8152-04 3/30/2000 0 - 1 ft.	SB-H6-8152-05 3/30/2000 0 - 2 ft.	SB-H6-8152-07 3/30/2000 0 - 1.5 ft.	SB-H6-8245-01 4/6/2000 0 - 1 ft.	SB-H6-8246-01 4/6/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	940 U	8800 U	4400 UJ	880 UJ	870 UJ	810 U	4300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**289 J**	**9850 J**	2200 UJ	440 UJ	430 UJ	**350 J**	**5980 D**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
2-NITROPHENOL	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	940 U	8800 UJ	4400 UJ	880 UJ	870 UJ	810 U	4300 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	940 U	8800 U	4400 UJ	880 UJ	870 UJ	810 U	4300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
4-NITROPHENOL	UG/KG	NA	NA	NA	940 U	8800 U	4400 UJ	880 UJ	870 UJ	810 U	4300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	470 U	4400 U	2200 UJ	68 J	430 UJ	22 J	2200 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	72 J	4400 U	2200 UJ	440 UJ	430 UJ	27 J	93 JD
ANTHRACENE	UG/KG	100000	10000000	10000000	97 J	4400 U	220 J	150 J	430 UJ	54 J	260 JD
BENZIDINE	UG/KG	NA	NA	NA	470 U	4400 UJ	2200 UJ	440 UJ	430 UJ	410 UJ	2200 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	240 J	4400 U	480 J	280 J	81 J	200 J	740 JD
BENZO(a)PYRENE	UG/KG	100000	660	660	340 J	4400 UJ	390 J	250 J	81 J	240 J	650 JD
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	860	4400 UJ	520 J	320 J	130 J	390 J	**900 JD**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	510	4400 UJ	2200 UJ	170 J	430 UJ	120 J	2200 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	170 J	4400 UJ	2200 UJ	160 J	430 UJ	140 J	2200 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	4400 U	1700 J	64 J	58 J	64 J	2200 U
CHRYSENE	UG/KG	500000	9000	40000	380 J	4400 U	290 J	240 J	46 J	320 J	790 JD
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1600 B	5000 UJ	770 J	440 UJ	430 UJ	110 J	790 JD
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	470 U	4400 UJ	2200 UJ	440 UJ	430 UJ	410 U	2200 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8152-04 3/30/2000 0 - 1 ft.	SB-H6-8152-05 3/30/2000 0 - 2 ft.	SB-H6-8152-07 3/30/2000 0 - 1.5 ft.	SB-H6-8245-01 4/6/2000 0 - 1 ft.	SB-H6-8246-01 4/6/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	130 J	4400 UJ	2200 UJ	440 UJ	430 UJ	410 U	2200 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1200	6600	2200 UJ	440 UJ	430 UJ	570	2000 JD
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	660	4400 U	1000 J	740 J	110 J	520	1400 JD
FLUORENE	UG/KG	100000	2300000	10000000	470 U	4400 U	2200 UJ	71 J	430 UJ	29 J	2200 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 UJ	2200 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 J	4400 UJ	2200 UJ	140 J	430 UJ	110 J	2200 U
ISOPHORONE	UG/KG	50000	1100000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	590	3800 J	2200 UJ	440 UJ	430 UJ	190 J	2600 D
NAPHTHALENE	UG/KG	100000	230000	4200000	470 U	4400 U	2200 UJ	64 J	430 UJ	410 U	2200 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	940 U	8800 U	4400 UJ	880 UJ	870 UJ	810 U	4300 U
PHENANTHRENE	UG/KG	NA	NA	NA	310 J	4400 U	1000 J	690 J	39 J	320 J	700 JD
PHENOL	UG/KG	50000	10000000	10000000	470 U	4400 U	2200 UJ	440 UJ	430 UJ	410 U	2200 U
PYRENE	UG/KG	100000	1700000	10000000	560	4400 U	800 J	410 J	430 UJ	510	1100 JD

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8247-02 4/13/2000 0 - 2 ft.	SB-H6-8247-05 4/13/2000 0 - 2 ft.	SB-H6-8250-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.	SB-H6-8285-07 7/13/2000 0 - 1 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	800 U	880 U	930 U	727 U	813 U	7140 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	400 U	**78 J**	**10020 J**	**158.7 J**	407 U	3570 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	800 U	880 U	930 UJ	727 U	813 U	7140 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	800 U	880 U	930 U	727 U	813 U	7140 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	800 U	880 U	930 U	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	400 U	440 U	57 J	364 U	407 U	3570 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	400 U	440 U	83 J	364 U	407 U	3570 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	49 J	400 U	110 J	300 J	189 J	127 J	3570 UJ
BENZO(a)PYRENE	UG/KG	100000	660	660	35 J	400 U	110 J	330 J	184 J	161 J	3570 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	400 U	140 J	500	263 J	235 J	3570 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	400 U	440 U	220 J	214 J	151 J	3570 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	400 U	440 U	160 J	107 J	84.6 J	3570 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	440 U	460 U	615	98 J	3570 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	400 U	440 U	460 U	364 U	407 U	3570 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	27 J	400 UJ	42 J	53 J	354 J	83 J	3570 U
CHRYSENE	UG/KG	500000	9000	40000	390 U	400 U	140 J	370 J	290 J	266 J	3570 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	37 J	400 U	440 U	1500	534	1120	9120
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8247-02 4/13/2000 0 - 2 ft.	SB-H6-8247-05 4/13/2000 0 - 2 ft.	SB-H6-8250-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.	SB-H6-8285-07 7/13/2000 0 - 1 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	400 U	440 U	460 U	364 U	407 U	3570 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	51 J	400 U	440 U	42 J	72.4 J	141 J	10300
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	400 U	270 J	780	347 J	265 J	3570 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	400 U	440 U	30 J	364 U	407 U	3570 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	400 U	440 U	460 U	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	400 U	440 U	460 UJ	364 U	407 U	3570 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	400 U	440 U	210 J	171 J	121 J	3570 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	400 U	440 U	460 U	209 J	407 U	**2840 J**
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	400 UJ	440 U	460 U	364 U	407 U	3570 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	120 J	400 U	270 J	1300	NR	NR	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	800 U	880 U	930 U	727 U	813 U	7140 U
PHENANTHRENE	UG/KG	NA	NA	NA	29 J	400 U	160 J	340 J	218 J	152 J	3570 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	400 U	440 U	460 U	364 U	407 U	3570 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	400 U	270 J	530	504	420	3570 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-862-01 6/21/2000 0 - 1.5 ft.	SB-H6-862-04 3/28/2000 0 - 1 ft.	SB-H6-918-01 4/14/2000 0 - 0.5 ft.	SB-H6-918-03 6/21/2000 0 - 1 ft.	SB-H6-941C-02 4/14/2000 0 - 1 ft.	SB-H6-941C-03 6/21/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	869 UJ	810 U	820 U	839 UJ	790 U	842 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	434 U	410 U	410 U	419 U	390 U	421 U	**110 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	410 U	410 U	NR	390 U	NR	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	869 U	810 U	820 U	839 U	790 U	842 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	869 UJ	810 U	820 U	839 UJ	790 U	842 UJ	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	810 U	820 U	NR	790 U	NR	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	434 U	410 U	22 J	419 U	390 U	421 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	434 U	410 U	40 J	419 U	390 U	421 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	434 UJ	410 U	410 U	419 UJ	390 U	421 UJ	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	46 J	48 J	180 J	47 J	80 J	421 U	200 J
BENZO(a)PYRENE	UG/KG	100000	660	660	33 J	410 U	180 J	40 J	84 J	421 U	170 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	434 U	410 U	270 J	419 U	120 J	421 U	290 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	434 UJ	410 U	410 UJ	419 UJ	390 UJ	421 U	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	434 U	410 U	100 J	419 U	390 U	421 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	434 U	410 U	410 U	419 U	390 U	421 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	21 J	48 J	36 J	419 U	41 J	421 U	270 J
CHRYSENE	UG/KG	500000	9000	40000	434 U	80 J	190 J	40 J	110 J	421 U	360 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	434 U	42 J	38 J	419 U	390 U	421 U	240 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-862-01 6/21/2000 0 - 1.5 ft.	SB-H6-862-04 3/28/2000 0 - 1 ft.	SB-H6-918-01 4/14/2000 0 - 0.5 ft.	SB-H6-918-03 6/21/2000 0 - 1 ft.	SB-H6-941C-02 4/14/2000 0 - 1 ft.	SB-H6-941C-03 6/21/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	434 U	410 U	410 U	419 U	390 U	421 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	590
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	434 U	130 J	460	89 J	140 J	421 U	340 J
FLUORENE	UG/KG	100000	2300000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	410 U	410 U	NR	390 U	NR	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	434 UJ	410 U	410 U	419 UJ	390 U	421 UJ	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	434 U	410 U	78 J	419 U	390 UJ	421 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	434 U	410 U	410 U	419 U	390 U	421 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	434 U	410 U	410 UJ	419 U	390 UJ	421 UJ	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	869 U	810 U	820 UJ	839 U	790 UJ	842 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	34 J	69 J	280 J	57 J	59 J	421 U	360 J
PHENOL	UG/KG	50000	10000000	10000000	434 U	410 U	410 U	419 U	390 U	421 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	434 U	410 U	310 J	419 U	110 J	421 U	300 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-15-02 3/30/2000 0 - 1.5 ft.	SB-H7-2172-03 4/4/2000 0 - 1.5 ft.	SB-H7-2172-06 4/4/2000 0 - 2 ft.	SB-H7-4-02 6/21/2000 0 - 1 ft.	SB-H7-4-04 3/30/2000 0 - 1.5 ft.	SB-H7-5-01 3/28/2000 0 - 1 ft.	SB-H7-5-02 6/21/2000 0 - 1.25 ft.	SB-H7-6-02 3/28/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	970 U	810 U	830 U	931 UJ	890 U	800 U	762 UJ	1000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	480 U	410 U	430 U	465 U	440 U	400 U	381 U	510 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
2-NITROPHENOL	UG/KG	NA	NA	NA	480 U	410 U	420 U	NR	440 U	400 U	NR	510 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	970 U	810 U	830 U	931 U	890 U	800 U	762 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	970 U	810 U	830 U	931 UJ	890 U	800 U	762 UJ	1000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
4-NITROPHENOL	UG/KG	NA	NA	NA	970 U	810 U	830 U	NR	890 U	800 U	NR	1000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	50 J
ANTHRACENE	UG/KG	100000	10000000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	70 J
BENZIDINE	UG/KG	NA	NA	NA	480 U	410 UJ	420 UJ	465 UJ	440 U	400 U	381 UJ	510 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	58 J	410 U	66 J	465 U	65 J	80 J	381 U	270 J
BENZO(a)PYRENE	UG/KG	100000	660	660	62 J	410 U	39 J	465 U	69 J	400 U	381 U	310 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	99 J	410 U	86 J	465 U	96 J	400 U	381 U	430 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	480 UJ	410 U	420 U	465 UJ	440 UJ	400 U	381 UJ	250 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	480 UJ	410 U	420 U	465 U	440 UJ	400 U	381 U	190 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	40 J	95 J	420 UJ	465 U	56 J	39 J	381 U	210 J
CHRYSENE	UG/KG	500000	9000	40000	83 J	410 U	42 J	465 U	80 J	120 J	381 U	360 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	69 J	190 J	420 U	465 U	53 J	39 J	381 U	120 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	480 UJ	410 U	420 U	465 U	440 UJ	400 U	381 U	510 UJ

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-15-02 3/30/2000 0 - 1.5 ft.	SB-H7-2172-03 4/4/2000 0 - 1.5 ft.	SB-H7-2172-06 4/4/2000 0 - 2 ft.	SB-H7-4-02 6/21/2000 0 - 1 ft.	SB-H7-4-04 3/30/2000 0 - 1.5 ft.	SB-H7-5-01 3/28/2000 0 - 1 ft.	SB-H7-5-02 6/21/2000 0 - 1.25 ft.	SB-H7-6-02 3/28/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	480 UJ	410 U	420 U	465 U	440 UJ	400 U	381 U	510 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	480 U	330 J	420 U	465 U	440 U	230 J	381 U	70 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	410 U	420 U	465 U	150 J	170 J	381 U	670
FLUORENE	UG/KG	100000	2300000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	36 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	480 U	410 U	420 U	NR	440 U	400 U	NR	510 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	480 U	410 U	420 U	465 UJ	440 U	400 U	381 UJ	510 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	480 UJ	410 U	420 U	465 U	440 UJ	400 U	381 U	210 J
ISOPHORONE	UG/KG	50000	1100000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	480 U	660	420 U	465 U	440 U	400 U	381 U	510 U
NAPHTHALENE	UG/KG	100000	230000	4200000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	970 U	810 U	830 U	931 U	890 U	800 U	762 U	1000 U
PHENANTHRENE	UG/KG	NA	NA	NA	98 J	410 U	420 U	465 U	100 J	120 J	381 U	470 J
PHENOL	UG/KG	50000	10000000	10000000	480 U	410 U	420 U	465 U	440 U	400 U	381 U	510 U
PYRENE	UG/KG	100000	1700000	10000000	160 J	410 U	420 U	465 U	150 J	140 J	381 U	890

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-03 4/4/2000 0 - 2 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8124-01 4/4/2000 0 - 1 ft.	SB-H7-8131-04 3/30/2000 0 - 1 ft.	SB-H7-8131-06 3/30/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	460 U	6000 U	420 U	350 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	460 U	6000 U	420 U	350 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	460 U	6000 U	420 U	350 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	460 U	6000 U	420 U	350 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	910 U	3200 J	830 U	700 U	880 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**47 J**	460 U	6000 U	420 U	**47 J**	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	460 U	6000 U	420 U	350 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	460 U	6000 U	420 U	350 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	460 U	6000 U	420 U	350 U	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	910 U	12000 U	830 U	700 U	880 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	910 U	12000 U	830 U	700 U	880 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	460 U	6000 UJ	420 U	350 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	460 U	6000 U	420 U	350 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	910 U	12000 UJ	830 U	700 U	880 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	22 J	460 U	6000 U	420 U	350 U	440 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	140 J	460 U	1200 J	18 J	350 U	440 U
ANTHRACENE	UG/KG	100000	10000000	10000000	140 J	460 U	1500 J	40 J	350 U	440 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	460 UJ	6000 U	420 UJ	350 U	440 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	880	38 J	**7000**	200 J	34 J	440 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**1700**	26 J	**5600 J**	130 J	34 J	440 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4800**	460 U	**11000**	130 J	350 UJ	440 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	1100 J	460 U	3300 J	420 U	350 UJ	440 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1400**	460 U	**4100 J**	420 U	350 UJ	440 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	460 U	6000 U	420 U	350 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	460 U	6000 U	420 U	350 U	440 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	33 J	26 J	690 J	34 J	45 J	32 J
CHRYSENE	UG/KG	500000	9000	40000	1400	54 J	5700 J	200 J	45 J	440 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 J	460 U	1000 J	420 U	190 J	44 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	460 U	6000 U	420 U	350 UJ	440 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-03 4/4/2000 0 - 2 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8124-01 4/4/2000 0 - 1 ft.	SB-H7-8131-04 3/30/2000 0 - 1 ft.	SB-H7-8131-06 3/30/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420	460 U	**1400 J**	420 U	350 UJ	440 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	550	460 U	15000	300 J	68 J	440 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	460 U	6000 U	50 J	350 U	440 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	460 U	6000 UJ	420 U	350 U	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	460 U	6000 UJ	420 U	350 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	460 U	6000 UJ	420 U	350 U	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	460 U	6000 UJ	420 U	350 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1200**	460 U	**3800 J**	420 U	350 UJ	440 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	460 U	6000 U	420 U	350 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	460 U	6000 UJ	420 U	350 U	440 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	460 U	6000 U	420 U	350 U	440 U
NAPHTHALENE	UG/KG	100000	230000	4200000	92 J	460 U	6000 U	420 U	350 U	440 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	910 U	12000 U	830 U	700 U	880 U
PHENANTHRENE	UG/KG	NA	NA	NA	270 J	32 J	4200 J	440	53 J	440 U
PHENOL	UG/KG	50000	10000000	10000000	420 U	460 U	6000 U	420 U	350 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	580	460 U	7200	430	350 U	440 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8134-02 3/28/2000 0 - 1.5 ft.	SB-H7-8134-04 6/21/2000 0 - 1.25 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.	SB-H7-8143-03 6/21/2000 0 - 1.25 ft.	SB-H7-8143-04 3/30/2000 0 - 2 ft.	SB-H7-8145-01 3/30/2000 0 - 2 ft.	SB-H7-8145-03 3/30/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	8100 UJ	849 UJ	7900 U	8795 U	830 U	800 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	4100 UJ	NR	4000 U	NR	420 U	400 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8100 UJ	849 U	7900 U	8795 U	830 U	800 UJ	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	8100 UJ	849 UJ	7900 U	8795 U	830 U	800 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	8100 UJ	NR	7900 U	NR	830 U	800 UJ	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	4100 UJ	424 U	4000 U	207 J	60 J	400 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	38 J	400 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	4100 UJ	424 U	4000 U	756 J	170 J	400 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	4100 UJ	424 UJ	4000 U	4397 UJ	420 U	400 UJ	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	4100 UJ	82 J	330 J	**1930 J**	540	57 J	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	4100 UJ	424 U	370 J	**1620 J**	570	67 J	170 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	4100 UJ	134 J	4000 U	**1970 J**	850	100 J	220 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	4100 UJ	424 UJ	4000 U	4397 U	410 J	400 UJ	140 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4100 UJ	424 U	4000 U	4397 U	290 J	400 U	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4100 UJ	109 J	8100 B	4397 U	35 U	150 U	95 J
CHRYSENE	UG/KG	500000	9000	40000	4100 UJ	100 J	390 J	1910 J	600	73 J	170 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	16000 J	138 UJ	18000 B	4397 UJ	61 U	330 U	500
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8134-02 3/28/2000 0 - 1.5 ft.	SB-H7-8134-04 6/21/2000 0 - 1.25 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.	SB-H7-8143-03 6/21/2000 0 - 1.25 ft.	SB-H7-8143-04 3/30/2000 0 - 2 ft.	SB-H7-8145-01 3/30/2000 0 - 2 ft.	SB-H7-8145-03 3/30/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4100 UJ	424 U	4000 U	4397 U	120 J	400 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2100 J	211 J	4000 U	4397 UJ	420 U	540	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	4100 UJ	169 J	780 J	3740 J	1200	150 J	380 J
FLUORENE	UG/KG	100000	2300000	10000000	4100 UJ	424 U	4000 U	4397 U	62 J	400 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	4100 UJ	NR	4000 U	NR	420 U	400 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4100 UJ	424 UJ	4000 U	4397 UJ	420 U	400 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4100 UJ	424 U	4000 U	4397 U	370 J	400 U	110 J
ISOPHORONE	UG/KG	50000	1100000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4100 UJ	424 U	4000 U	4397 UJ	420 U	400 UJ	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1400 J	187 J	4800	5940	12000 *D	99 J	230 J
NAPHTHALENE	UG/KG	100000	230000	4200000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	8100 UJ	849 U	7900 U	8795 U	830 U	800 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	4100 UJ	101 J	470 J	2770 J	760	65 J	180 J
PHENOL	UG/KG	50000	10000000	10000000	4100 UJ	424 U	4000 U	4397 U	420 U	400 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	4100 UJ	122 J	4000 U	2960 J	1000	400 U	310 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8146-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-04 6/21/2000 0 - 1.5 ft.	SB-H7-8176-01 4/4/2000 0 - 1.5 ft.	SB-H7-8176-02 6/21/2000 0 - 2 ft.	SB-H7-8248-02 3/31/2000 0 - 1 ft.	SB-H7-8252-01 3/31/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 U	410 UJ	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	910 U	845 UJ	940 U	792 UJ	800 U	810 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	460 U	422 U	470 U	396 U	400 U	**44 J**	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 U	410 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	NR	470 U	NR	400 U	410 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	910 U	845 U	940 U	792 U	800 U	810 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	910 U	845 UJ	940 U	792 UJ	800 U	810 UJ	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	422 U	470 U	396 U	400 U	410 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 U	410 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	910 U	NR	940 U	NR	800 U	810 UJ	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	26 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 U	24 J	17 J
ANTHRACENE	UG/KG	100000	10000000	10000000	460 U	422 U	470 U	396 U	31 J	410 U	180 J
BENZIDINE	UG/KG	NA	NA	NA	460 U	422 UJ	470 UJ	396 UJ	400 U	410 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 U	422 U	470 U	396 U	400 U	83 J	**910**
BENZO(a)PYRENE	UG/KG	100000	660	660	34 J	422 U	470 U	396 U	400 U	87 J	**930**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 U	422 U	470 U	396 U	78 J	140 J	**1400**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	460 U	422 UJ	470 U	396 UJ	400 UJ	96 J	580
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 U	422 U	470 U	396 U	400 U	110 J	470
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 U	410 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	51 J	23 J	470 UJ	396 U	63 J	410 U	26 J
CHRYSENE	UG/KG	500000	9000	40000	460 U	422 U	470 U	396 U	100 J	140 J	960
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	150 J	102 U	470 U	396 U	400 U	910	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8146-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-04 6/21/2000 0 - 1.5 ft.	SB-H7-8176-01 4/4/2000 0 - 1.5 ft.	SB-H7-8176-02 6/21/2000 0 - 2 ft.	SB-H7-8248-02 3/31/2000 0 - 1 ft.	SB-H7-8252-01 3/31/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	422 U	470 U	396 U	400 UJ	410 UJ	170 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	422 U	470 U	396 U	400 U	140 J	31 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 U	422 U	470 U	396 U	84 J	230 J	1900
FLUORENE	UG/KG	100000	2300000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	50 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	NR	470 U	NR	400 U	410 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 U	422 UJ	470 U	396 UJ	400 U	410 U	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	422 U	470 UJ	396 U	400 U	410 UJ	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 U	422 U	470 U	396 U	400 UJ	77 J	570
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 U	422 U	470 U	396 U	400 UJ	410 UJ	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 U	422 U	140 J	396 U	400 U	330 J	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	460 U	422 U	470 U	396 U	400 U	410 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	910 U	845 U	940 U	792 U	800 U	810 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	49 J	422 U	470 U	396 U	180 J	120 J	830
PHENOL	UG/KG	50000	10000000	10000000	460 U	422 U	470 UJ	396 U	400 U	410 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	460 U	422 U	470 U	396 U	400 U	160 J	1400

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8282-02 6/21/2000 0 - 1.25 ft.	SB-H7-8282-03 3/30/2000 0 - 1 ft.	SB-H7-9-04 3/28/2000 0 - 1 ft.	SB-H7-916-01 3/30/2000 0 - 1.5 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-8102-02 4/6/2000 0 - 2 ft.	SB-H8-8177-01 4/14/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	861 UJ	910 U	820 U	780 U	770 U	880 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	460 U	**157 J**	390 U	**190 J**	440 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	460 U	410 U	390 U	380 U	440 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	861 U	910 U	820 UJ	780 U	770 U	880 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	861 UJ	910 U	820 U	780 U	770 U	880 U	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	910 U	820 U	780 U	770 U	880 U	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	460 U	410 U	32 J	59 J	440 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	460 U	44 J	90 J	54 J	440 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	430 UJ	460 U	410 U	390 U	380 U	440 UJ	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 U	42 J	98 J	780	190 J	33 J	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	430 U	42 J	91 J	600	180 J	29 J	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	430 U	460 U	150 J	**1000**	580	440 U	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 UJ	460 U	410 UJ	290 J	150 J	440 U	370 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	460 U	410 U	400	240 J	440 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	460 U	410 UJ	390 U	380 U	440 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	56 J	50 J	41 J	45 U	38 J	440 U	370 U
CHRYSENE	UG/KG	500000	9000	40000	430 U	47 J	160 J	630	370 J	440 U	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	367 U	70 J	95 J	50 U	150 J	440 U	370 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8282-02 6/21/2000 0 - 1.25 ft.	SB-H7-8282-03 3/30/2000 0 - 1 ft.	SB-H7-9-04 3/28/2000 0 - 1 ft.	SB-H7-916-01 3/30/2000 0 - 1.5 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-8102-02 4/6/2000 0 - 2 ft.	SB-H8-8177-01 4/14/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	460 U	410 U	100 J	380 U	440 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	460 U	120 J	47 J	25 J	160 J	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	430 U	82 J	170 J	1600	490	440 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	460 U	410 U	390 U	380 U	440 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 UJ	460 U	410 U	390 U	380 U	440 UJ	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	460 U	410 U	270 J	160 J	440 U	370 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	460 U	410 U	390 U	380 U	440 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	460 U	410 U	390 U	380 U	440 U	370 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	460 U	360 J	390 U	120 J	440 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	460 U	53 J	390 U	380 U	440 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	861 U	910 U	820 U	780 U	770 U	880 U	740 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	430 U	56 J	200 J	340 J	95 J	440 U	370 U
PHENOL	UG/KG	50000	10000000	10000000	430 U	460 U	410 U	390 U	380 U	440 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	460 U	180 J	1300	460	440 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-8177-02 4/14/2000 0 - 2 ft.	SB-H8-8179-01 4/14/2000 0 - 2 ft.	SB-H8-8179-02 4/14/2000 0 - 2 ft.	SB-H8-9221-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	380 U	370 U	390 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	380 U	370 U	390 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	380 U	370 U	390 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	380 U	370 U	390 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	380 U	370 U	390 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	380 U	370 U	390 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	380 U	370 U	390 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	750 U	730 U	780 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	380 U	370 U	390 U	**26910 *D**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	380 U	370 U	390 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 U	750 U	730 U	780 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	750 U	750 U	730 U	780 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	380 U	370 U	390 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	750 U	750 U	730 U	780 U	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	380 U	370 U	390 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	380 U	370 U	390 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	31 J	380 U	370 U	390 U	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	32 J	380 U	370 U	390 U	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	380 U	370 U	390 U	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 UJ	380 UJ	370 UJ	390 U	400 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	380 U	370 U	390 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	380 U	370 U	390 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	380 U	370 U	390 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	380 U	370 U	390 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	17 J	380 U	370 U	57 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	41 J	380 U	370 U	390 U	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	380 U	370 U	4900	2000
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	380 U	370 U	390 U	400 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-8177-02 4/14/2000 0 - 2 ft.	SB-H8-8179-01 4/14/2000 0 - 2 ft.	SB-H8-8179-02 4/14/2000 0 - 2 ft.	SB-H8-9221-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	380 U	370 U	390 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	380 U	370 U	390 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	380 U	370 U	390 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	380 U	370 U	390 U	400 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	380 U	370 U	390 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	380 U	370 U	390 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	380 U	370 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	380 U	370 U	390 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	380 U	370 U	390 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 UJ	380 UJ	370 UJ	390 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	380 U	370 U	390 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	380 U	370 U	390 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 UJ	380 UJ	370 UJ	390 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	380 U	370 U	5600 &D	6300
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	380 U	370 U	390 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	750 UJ	750 UJ	730 UJ	780 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	380 U	370 U	390 U	400 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	380 U	370 U	390 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	380 U	370 U	390 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-4-03 4/6/2000 0 - 1 ft.	SB-I5-7-01 7/21/2000 0 - 1 ft.	SB-I5-7-05 4/13/2000 0 - 0.5 ft.	SB-I5-8-01 4/13/2000 0 - 2 ft.	SB-I5-8-02 6/21/2000 0 - 2 ft.	SB-I5-8141-01 4/6/2000 0 - 1 ft.	SB-I5-8141-03 6/21/2000 0 - 1.25 ft.	SB-I5-8168-01 6/21/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	358 U	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	716 U	770 U	790 U	747 U	770 U	727 U	826 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	358 U	380 U	400 UJ	373 U	380 U	363 U	413 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	NR	380 U	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	716 U	770 U	790 U	747 U	770 UJ	727 U	826 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	716 U	770 U	790 U	747 UJ	770 U	727 UJ	826 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	716 U	770 U	790 U	NR	770 U	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	358 U	20 J	400 U	373 U	33 J	17 J	413 U
ANTHRACENE	UG/KG	100000	10000000	10000000	31 J	358 U	380 U	400 U	373 U	56 J	24 J	413 U
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	358 U	380 U	400 UJ	373 UJ	380 U	363 UJ	413 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	190 J	35.4 J	140 J	400 U	35 J	340 J	197 J	44 J
BENZO(a)PYRENE	UG/KG	100000	660	660	150 J	358 U	150 J	400 UJ	22 J	320 J	174 J	42 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	240 J	358 U	160 J	400 UJ	373 U	400	292 J	413 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	358 U	120 J	400 UJ	373 U	180 J	97 J	413 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	358 U	380 U	400 UJ	373 U	140 J	95 J	413 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	NR	380 U	400 U	373 U	380 U	363 U	413 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	76 J	50.8 J	26 J	400 U	21 J	61 J	21 J	21 J
CHRYSENE	UG/KG	500000	9000	40000	180 J	54.1 J	130 J	400 U	373 U	300 J	126 J	39 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	171 J	380 U	400 U	373 U	130 J	363 U	413 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	358 U	380 U	400 UJ	373 U	380 U	363 U	413 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-4-03 4/6/2000 0 - 1 ft.	SB-I5-7-01 7/21/2000 0 - 1 ft.	SB-I5-7-05 4/13/2000 0 - 0.5 ft.	SB-I5-8-01 4/13/2000 0 - 2 ft.	SB-I5-8-02 6/21/2000 0 - 2 ft.	SB-I5-8141-01 4/6/2000 0 - 1 ft.	SB-I5-8141-03 6/21/2000 0 - 1.25 ft.	SB-I5-8168-01 6/21/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	358 U	380 U	400 UJ	373 U	380 U	363 U	413 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	358 U	180 J	400 U	373 U	380 U	363 U	413 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	320 J	358 U	200 J	400 U	373 U	520	266 J	413 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	358 U	380 U	400 U	NR	380 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	358 U	380 U	400 UJ	373 U	380 U	363 U	413 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	358 U	380 U	400 UJ	373 UJ	380 UJ	363 UJ	413 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	358 U	98 J	400 UJ	373 U	170 J	85 J	413 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	358 U	380 U	400 U	373 UJ	380 U	363 UJ	413 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	358 U	380 U	400 U	373 U	240 J	363 U	413 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	716 U	770 U	790 U	747 U	770 U	727 U	826 U
PHENANTHRENE	UG/KG	NA	NA	NA	110 J	358 U	47 J	26 J	29 J	110 J	60 J	413 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	358 U	380 U	400 U	373 U	380 U	363 U	413 U
PYRENE	UG/KG	100000	1700000	10000000	390 J	358 U	260 J	400 U	373 U	400	199 J	413 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-8168-02 4/6/2000 0 - 2 ft.	SB-I5-8169-02 4/6/2000 0 - 1 ft.	SB-I5-8170-02 4/13/2000 0 - 1 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-11-01 4/13/2000 0 - 0.5 ft.	SB-I6-3-03 6/21/2000 0 - 2 ft.	SB-I6-3-04 3/31/2000 0 - 2 ft.	SB-I6-5-02 3/30/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	390 U	370 U	24 J	3800 U	448 U	430 UJ	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	780 U	740 U	780 U	7600 U	896 UJ	850 U	850 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	390 U	370 U	**1143 J**	3800 U	448 U	430 U	**4600**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 U	3800 U	NR	430 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 UJ	780 UJ	740 U	780 UJ	7600 U	896 U	850 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	780 U	740 U	780 U	7600 U	896 UJ	850 UJ	850 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	780 U	740 U	780 U	7600 U	NR	850 UJ	850 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	390 U	370 U	71 J	3800 U	448 U	430 U	38 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	390 U	370 U	80 J	3800 U	448 U	430 U	53 J
BENZIDINE	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 UJ	3800 U	448 UJ	430 U	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	59 J	370 U	360 J	3800 U	49 J	430 U	320 J
BENZO(a)PYRENE	UG/KG	100000	660	660	25 J	76 J	370 U	350 J	3800 U	33 J	430 U	280 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	93 J	370 U	690	3800 U	448 U	430 U	480
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	390 U	370 U	220 J	3800 U	448 UJ	430 U	160 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	390 U	370 U	180 J	3800 U	448 U	430 U	130 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	370 U	390 U	30000	448 U	430 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	390 U	370 UJ	390 U	3800 UJ	448 U	430 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	62 J	23 J	73 J	390 U	3800 U	41 J	34 J	38 U
CHRYSENE	UG/KG	500000	9000	40000	390 U	63 J	370 U	410	3800 U	83 J	430 U	360 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	390 U	370 U	190 UJ	3800 U	56 U	430 U	100 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-8168-02 4/6/2000 0 - 2 ft.	SB-I5-8169-02 4/6/2000 0 - 1 ft.	SB-I5-8170-02 4/13/2000 0 - 1 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-11-01 4/13/2000 0 - 0.5 ft.	SB-I6-3-03 6/21/2000 0 - 2 ft.	SB-I6-3-04 3/31/2000 0 - 2 ft.	SB-I6-5-02 3/30/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	390 U	370 U	390 U	3800 U	448 U	430 UJ	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	55 J	370 U	390 U	3800 U	448 U	430 U	120 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	130 J	370 U	460	3800 U	448 U	430 U	550
FLUORENE	UG/KG	100000	2300000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	390 U	370 U	390 U	3800 U	NR	430 U	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	390 UJ	370 UJ	390 U	3800 UJ	448 UJ	430 U	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	390 U	370 U	390 U	3800 U	448 U	430 UJ	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	390 U	370 U	210 J	3800 U	448 U	430 U	150 J
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	390 U	370 UJ	390 U	3800 UJ	448 U	430 UJ	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	390 U	370 U	420	3800 U	448 U	430 U	110 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	780 U	740 U	780 U	7600 U	896 U	850 U	850 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	48 J	370 U	120 J	350 J	76 J	31 J	270 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	390 U	370 U	390 U	3800 U	448 U	430 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	390 U	370 U	450	3800 U	448 U	430 U	490

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-5-05 3/30/2000 0 - 1 ft.	SB-I6-8-01 7/14/2000 0.5 - 2.5 ft.	SB-I6-8125-03 4/13/2000 0 - 1.5 ft.	SB-I6-8125-05 4/13/2000 0 - 1 ft.	SB-I6-8125-07 4/13/2000 0 - 1 ft.	SB-I6-8171-01 4/7/2000 0 - 2 ft.	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171-06 4/7/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3900 U	543 U	380 U	380 U	430 U	430 U	4200 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3900 U	543 U	380 U	380 U	430 U	430 U	4200 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3900 U	543 U	380 U	380 U	430 U	430 U	4200 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3900 U	543 U	380 U	380 U	430 U	430 U	4200 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7800 U	NR	770 U	770 U	850 U	870 U	8400 U	770 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7800 U	NR	770 U	770 U	850 U	870 U	8400 U	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7800 U	NR	770 U	770 U	850 U	870 U	8400 U	770 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7800 U	NR	770 U	770 U	850 U	870 U	8400 U	770 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3900 U	NR	380 U	380 U	430 U	130 J	15000 J	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3900 U	NR	380 U	380 U	430 U	200 J	19000	380 U
BENZIDINE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 UJ	4200 UJ	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3900 U	NR	40 J	380 U	430 U	790	**46000**	32 J
BENZO(a)PYRENE	UG/KG	100000	660	660	3900 U	NR	33 J	380 U	430 U	**700**	**39000**	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3900 U	NR	65 J	380 U	430 U	**1100**	**51000**	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	310 J	18000	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3900 U	NR	380 U	380 U	430 U	330 J	**18000**	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3900 U	1087 U	380 U	380 U	430 U	430 U	4200 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3900 U	NR	380 UJ	380 UJ	430 U	430 U	4200 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	NR	21 J	25 J	430 UJ	42 J	920 J	310 J
CHRYSENE	UG/KG	500000	9000	40000	3900 U	NR	120 J	380 U	430 U	710	**40000**	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3900 U	NR	54 J	380 U	430 U	430 U	4200 U	380 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-5-05 3/30/2000 0 - 1 ft.	SB-I6-8-01 7/14/2000 0.5 - 2.5 ft.	SB-I6-8125-03 4/13/2000 0 - 1.5 ft.	SB-I6-8125-05 4/13/2000 0 - 1 ft.	SB-I6-8125-07 4/13/2000 0 - 1 ft.	SB-I6-8171-01 4/7/2000 0 - 2 ft.	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171-06 4/7/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	NR	380 U	380 U	430 U	95 J	**5300**	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3900 U	NR	380 U	380 U	430 U	1500	87000 *D	380 U
FLUORENE	UG/KG	100000	2300000	10000000	3900 U	NR	380 U	380 U	430 U	100 J	11000	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3900 U	543 U	380 U	380 U	430 U	430 U	4200 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3900 U	NR	380 UJ	380 UJ	430 U	430 U	4200 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	NR	380 U	380 U	430 U	320 J	**17000**	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3900 U	NR	380 UJ	380 UJ	430 UJ	430 U	4200 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3900 U	543 U	380 U	380 U	430 U	430 U	3000 J	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7800 U	NR	770 U	770 U	850 U	870 U	8400 U	770 U
PHENANTHRENE	UG/KG	NA	NA	NA	3900 U	NR	98 J	380 U	430 U	760	79000 *D	26 J
PHENOL	UG/KG	50000	10000000	10000000	3900 U	NR	380 U	380 U	430 U	430 U	4200 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	3900 U	NR	380 U	380 U	430 U	1200	77000 *D	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8171-07 4/7/2000 0 - 1.5 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8173-01 4/6/2000 0 - 0.5 ft.	SB-I6-8175-04 4/4/2000 0 - 1 ft.	SB-I6-8181-01 4/13/2000 0 - 0.5 ft.	SB-I6-8181-02 6/21/2000 0 - 1 ft.	SB-I6-8183-01 4/6/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	4000 U	420 U	430 U	420 U	452 UJ	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	8000 U	840 U	870 U	840 U	905 U	830 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	NR	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	8000 U	840 UJ	870 U	840 U	905 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	8000 U	840 U	870 U	840 U	905 U	830 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 UJ	420 U	452 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	8000 U	840 U	870 UJ	840 U	NR	830 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	43 J	2700 J	170 J	430 U	420 U	452 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	34 J	2600 J	480	430 U	420 U	452 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	380 UJ	4000 U	420 U	430 U	420 U	452 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	120 J	**6100**	**1800**	39 J	420 U	452 U	420 U
BENZO(a)PYRENE	UG/KG	100000	660	660	110 J	**4100**	**1400**	26 J	420 U	452 U	420 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	140 J	**5600**	**1800**	430 U	420 U	452 U	420 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	1900 J	640	430 U	420 U	452 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	**2200 J**	630	430 U	420 U	452 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	4000 U	420 U	430 U	420 UJ	452 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	990	4000 U	420 U	24 J	420 U	452 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	110 J	3900 J	1400	430 U	420 U	452 U	420 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	4000 U	420 U	430 U	70 J	181 J	420 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8171-07 4/7/2000 0 - 1.5 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8173-01 4/6/2000 0 - 0.5 ft.	SB-I6-8175-04 4/4/2000 0 - 1 ft.	SB-I6-8181-01 4/13/2000 0 - 0.5 ft.	SB-I6-8181-02 6/21/2000 0 - 1 ft.	SB-I6-8183-01 4/6/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	4000 U	200 J	430 UJ	420 U	452 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	240 J	10000	2800	430 U	420 U	452 U	420 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	1500 J	200 J	430 U	420 U	452 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	4000 U	420 U	430 UJ	420 U	NR	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	4000 U	420 U	430 UJ	420 U	452 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	4000 U	420 UJ	430 UJ	420 UJ	452 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	4000 U	420 U	430 UJ	420 U	452 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	**1800 J**	600	430 UJ	420 U	452 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	4000 U	420 U	430 U	420 U	452 UJ	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	4000 U	420 U	430 UJ	420 UJ	452 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	4000 U	420 U	430 U	420 U	452 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	980 J	78 J	430 U	420 U	452 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	8000 U	840 U	870 U	840 U	905 U	830 U
PHENANTHRENE	UG/KG	NA	NA	NA	140 J	9200	1300	430 U	420 U	452 U	420 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	4000 U	420 U	430 U	420 U	452 UJ	420 U
PYRENE	UG/KG	100000	1700000	10000000	200 J	10000	2000	430 U	420 U	452 UJ	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8183-05 4/6/2000 0 - 2 ft.	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.	SB-I6-8192-01 3/30/2000 0 - 2 ft.	SB-I6-8192-03 3/30/2000 0 - 2 ft.	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I6-9-05 4/6/2000 0 - 2 ft.	SB-I6-9215-01 3/31/2000 0 - 2 ft.	SB-I6-E4-01 7/14/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	NR
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 UJ	366 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	870 U	820 U	830 U	4100 U	790 U	850 U	732 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	430 U	**2880 J**	420 U	2100 U	400 U	**181 J**	366 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	870 U	820 U	830 U	4100 U	790 UJ	850 U	732 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	870 U	820 U	830 U	4100 U	790 U	850 UJ	732 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	870 U	820 U	830 U	4100 U	790 U	850 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	430 U	410 U	420 U	16000 D	81 J	51 J	366 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	430 U	57 J	420 U	110 JD	400 U	67 J	366 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	430 U	82 J	420 U	16000 D	94 J	310 J	366 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	430 U	320 J	35 J	**38000**	270 J	**1200**	37.31 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	430 U	300 J	45 J	**25000 D**	210 J	**1200**	366 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	430 U	520	79 J	**43000**	270 J	**1500**	366 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	430 U	170 J	420 UJ	9700 D	110 J	740	366 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	430 U	170 J	420 U	**14000 D**	100 J	690	366 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	54 J	36 U	120 U	360 JD	80 J	57 J	30.36 J
CHRYSENE	UG/KG	500000	9000	40000	420 U	43 J	340 J	48 J	**28000 D**	240 J	1000	366 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	74 J	140 U	52 U	2100 U	400 U	250 J	366 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8183-05 4/6/2000 0 - 2 ft.	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.	SB-I6-8192-01 3/30/2000 0 - 2 ft.	SB-I6-8192-03 3/30/2000 0 - 2 ft.	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I6-9-05 4/6/2000 0 - 2 ft.	SB-I6-9215-01 3/31/2000 0 - 2 ft.	SB-I6-E4-01 7/14/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	430 U	410 U	420 UJ	**3600 D**	400 U	260 UJ	366 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 U	160 J	420 U	2100 U	400 U	430 U	366 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	430 U	500	78 J	65000	630	2500	366 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	430 U	410 U	420 U	10000 D	53 J	94 J	366 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	430 U	410 U	420 U	2100 UJ	400 UJ	430 U	366 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	430 U	410 U	420 U	2100 U	400 U	430 UJ	366 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	430 U	150 J	420 UJ	**10000 D**	110 J	690	366 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	430 U	410 U	420 UJ	2100 U	400 U	430 UJ	366 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	430 U	570	420 U	2100 U	400 U	430 U	366 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	430 U	410 U	420 U	3900 D	400 U	430 U	366 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	870 U	820 U	830 U	4100 U	790 U	850 U	732 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	33 J	190 J	32 J	52000	390 J	1200	366 U
PHENOL	UG/KG	50000	10000000	10000000	420 U	430 U	410 U	420 U	2100 U	400 U	430 U	366 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	430 U	430	420 U	58000	360 J	1900	366 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-E4-01 7/14/2000 0 - 1 ft.	SB-J5-4-01 7/7/2000 0 - 1 ft.	SB-J5-4-02 4/11/2000 0 - 1.5 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-1-01 7/7/2000 0 - 1.5 ft.	SB-J6-1-04 4/13/2000 0 - 2 ft.	SB-J6-2-03 4/13/2000 0 - 2 ft.	SB-J6-2245-03 7/7/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	553 U	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	352 U	400 UJ	370 U	366 U	410 U	400 UJ	361 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	352 U	NR	NR	366 U	NR	NR	361 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	704 U	2000 U	1900 U	733 U	810 U	790 UJ	722 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	352 U	400 U	**290 J**	366 U	410 U	400 UJ	361 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	704 UJ	800 U	750 UJ	733 UJ	810 U	790 UJ	722 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	704 UJ	2000 U	1900 U	733 U	810 U	790 UJ	722 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	704 UJ	2000 U	1900 U	733 UJ	810 U	790 UJ	722 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
BENZIDINE	UG/KG	NA	NA	NA	NR	352 U	400 U	370 UJ	366 U	410 U	400 UJ	361 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	281 J	59 J	860 J	366 U	410 U	400 UJ	361 U
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	305 J	39 J	**820 J**	366 U	410 U	400 UJ	361 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	573	94 J	**1500 J**	366 U	410 U	400 UJ	361 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	146 J	400 U	520 J	366 U	410 U	400 UJ	361 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	292 J	400 U	370 UJ	366 U	410 U	400 UJ	361 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	352 U	400 U	370 UJ	366 U	410 U	400 UJ	361 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	400 U	370 U	NR	410 U	400 UJ	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	35.9 J	28 J	44 J	366 U	410 UJ	400 UJ	361 U
CHRYSENE	UG/KG	500000	9000	40000	NR	374	66 J	1800 J	366 U	410 U	400 UJ	361 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	87 J	400 U	370 U	366 U	37 J	400 UJ	361 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	352 U	400 UJ	370 UJ	366 U	410 U	400 UJ	361 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-E4-01 7/14/2000 0 - 1 ft.	SB-J5-4-01 7/7/2000 0 - 1 ft.	SB-J5-4-02 4/11/2000 0 - 1.5 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-1-01 7/7/2000 0 - 1.5 ft.	SB-J6-1-04 4/13/2000 0 - 2 ft.	SB-J6-2-03 4/13/2000 0 - 2 ft.	SB-J6-2245-03 7/7/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	352 U	400 U	540 J	366 U	410 U	400 UJ	361 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	352 U	400 U	370 U	366 U	410 U	210 J	361 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	567	94 J	370 U	366 U	410 U	400 UJ	361 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	352 U	400 U	370 U	366 UJ	410 U	400 UJ	361 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	153 J	400 U	400 J	366 U	410 U	400 UJ	361 U
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	352 U	400 UJ	370 U	366 U	410 UJ	400 UJ	361 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	128 J	400 U	49 J	366 U	410 U	400 UJ	361 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	704 U	2000 U	1900 U	733 U	810 U	790 UJ	722 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	62.7 J	400 U	370 U	366 U	410 U	25 J	361 U
PHENOL	UG/KG	50000	10000000	10000000	NR	352 U	400 U	370 U	366 U	410 U	400 UJ	361 U
PYRENE	UG/KG	100000	1700000	10000000	NR	587	140 J	230 J	366 U	410 U	400 UJ	361 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-2245-05 4/13/2000 0 - 2 ft.	SB-J6-3-02 4/13/2000 0 - 1.25 ft.	SB-J6-6-01 4/13/2000 0 - 1 ft.	SB-J6-6-05 4/13/2000 0 - 1 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-04 4/13/2000 0 - 2 ft.	SB-J6-8133-05 4/13/2000 0 - 1.5 ft.	SB-J6-8134-01 4/13/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	830 U	870 U	930 U	1900 U	780 U	760 U	850 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**150 J**	420 U	440 U	470 U	**96 J**	**57 J**	**500 J**	**767 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	830 U	870 U	930 U	760 U	780 U	760 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	830 U	870 U	930 U	1900 U	780 U	760 U	850 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	830 U	870 U	930 U	1900 U	780 U	760 U	850 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	39 J	120 J	380 U	41 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	52 J	37 J	470 U	64 J	61 J	380 U	160 J
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	420 UJ	440 UJ	470 UJ	380 UJ	390 U	380 U	430 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	400 J	440 U	470 U	310 J	480	51 J	280 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	480	440 U	470 U	270 J	480	69 J	170 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	**960**	440 U	470 U	270 J	600	83 J	240 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	360 J	440 U	470 U	380 U	200 J	380 U	430 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	300 J	440 U	470 U	250 J	330 J	380 U	430 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	420 UJ	440 U	470 UJ	380 U	390 U	380 UJ	430 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	24 J	440 U	790	78 J	49 J	42 J	21 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	540	440 U	470 U	320 J	570	150 J	220 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410	420 U	99 J	520	53 J	64 J	210 J	42 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	420 UJ	440 U	470 UJ	380 U	390 U	380 U	430 UJ

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-2245-05 4/13/2000 0 - 2 ft.	SB-J6-3-02 4/13/2000 0 - 1.25 ft.	SB-J6-6-01 4/13/2000 0 - 1 ft.	SB-J6-6-05 4/13/2000 0 - 1 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-04 4/13/2000 0 - 2 ft.	SB-J6-8133-05 4/13/2000 0 - 1.5 ft.	SB-J6-8134-01 4/13/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	120 J	440 U	470 U	380 U	390 U	380 U	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	420 U	440 U	7900 *D	380 U	390 U	380 U	430 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	480	440 U	470 U	580	1300	93 J	810
FLUORENE	UG/KG	100000	2300000	10000000	390 U	420 U	440 U	470 U	34 J	100 J	380 U	72 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 UJ	420 U	440 UJ	470 U	380 U	390 U	380 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	420 U	440 UJ	470 U	380 U	390 U	380 UJ	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	310 J	440 U	470 U	120 J	200 J	380 U	430 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	420 U	440 U	470 U	380 U	390 U	380 UJ	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	79 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	830 U	870 U	930 U	1900 U	780 U	760 U	850 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	99 J	36 J	36 J	470	1300	87 J	650
PHENOL	UG/KG	50000	10000000	10000000	390 U	420 U	440 U	470 U	380 U	390 U	380 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	460 J	440 U	470 UJ	580	1200	110 J	620 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8134-04 4/13/2000 0 - 1.25 ft.	SB-J6-8134-05 4/13/2000 0 - 1 ft.	SB-J6-8136-04 4/11/2000 0 - 2 ft.	SB-J6-8136-07 4/11/2000 0 - 2 ft.	SB-J6-8167-02 4/11/2000 0 - 1.5 ft.	SB-J6-915-01 4/11/2000 0 - 1 ft.	SB-J6-9200-01 7/7/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 UJ	469 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	469 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	850 U	2100 U	2100 U	1900 U	1900 U	937 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	420 U	**16 J**	420 U	390 U	380 U	469 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 U	469 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	850 U	2100 U	830 U	780 UJ	770 U	937 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	850 U	2100 U	2100 U	1900 U	1900 U	937 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 U	469 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 U	469 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 U	850 U	2100 U	2100 U	1900 U	1900 U	937 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	130 J	420 U	420 U	390 U	380 U	469 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	370 J	420 U	420 U	390 U	380 U	469 U
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	420 UJ	420 UJ	420 UJ	390 UJ	380 U	469 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	**1600**	51 J	420 U	50 J	380 U	469 U
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	**1300**	50 J	420 U	390 UJ	380 U	469 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	**1700**	100 J	420 U	390 UJ	380 U	469 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	610	420 U	420 U	390 UJ	380 U	469 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	670	420 U	420 U	390 UJ	380 U	469 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 U	469 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	420 UJ	420 U	420 U	390 U	380 U	469 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	33 J	36 J	34 J	22 J	47000	28 J	55.8 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	1500	83 J	43 J	55 J	380 U	469 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	110 J	420 U	420 U	41 J	110 J	469 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	420 UJ	420 U	420 U	580 J	380 UJ	469 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8134-04 4/13/2000 0 - 1.25 ft.	SB-J6-8134-05 4/13/2000 0 - 1 ft.	SB-J6-8136-04 4/11/2000 0 - 2 ft.	SB-J6-8136-07 4/11/2000 0 - 2 ft.	SB-J6-8167-02 4/11/2000 0 - 1.5 ft.	SB-J6-915-01 4/11/2000 0 - 1 ft.	SB-J6-9200-01 7/7/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	210 J	420 U	420 U	390 UJ	380 U	469 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	3300	420 U	420 U	68 J	380 U	469 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	79 J	420 U	420 U	390 U	380 U	469 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	420 U	420 U	420 U	390 U	380 U	469 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	650	420 U	420 U	390 UJ	380 U	469 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	420 U	420 U	420 U	390 U	380 U	469 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	420 U	420 U	420 U	390 U	380 UJ	469 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	420 U	420 U	420 UJ	390 U	380 U	469 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	850 U	2100 U	2100 U	1900 U	1900 U	937 U
PHENANTHRENE	UG/KG	NA	NA	NA	24 J	1300	43 J	36 J	41 J	380 U	469 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	420 U	420 U	420 U	390 U	380 U	469 U
PYRENE	UG/KG	100000	1700000	10000000	390 UJ	3300 UJ	420 U	420 U	130 J	380 U	469 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-9200-02 4/13/2000 0 - 1 ft.	SB-J6-941A-01 4/11/2000 0 - 2 ft.	SB-J6-942A-04 4/13/2000 0 - 2 ft.	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K5-4-01 4/18/2000 0 - 0.5 ft.	SB-K5-4-02 7/7/2000 0 - 1.25 ft.	SB-K6-1-01 7/13/2000 0 - 1 ft.	SB-K6-1-02 9/27/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	420 U	410 U	5600 U	420 U	383 U	368 UJ	398 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	420 UJ	410 U	5600 U	420 U	383 U	368 UJ	398 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	398 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	840 U	2100 U	820 U	11000 U	840 U	767 U	735 U	796 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	420 U	410 U	**4200 J**	420 U	383 U	368 U	398 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	420 U	410 U	5600 U	420 U	NR	NR	398 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	840 U	820 U	11000 U	840 U	767 UJ	735 U	796 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	840 U	2100 U	820 U	11000 U	840 U	767 U	735 U	796 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	420 U	410 U	5600 U	420 U	383 U	368 UJ	398 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	420 U	410 U	5600 U	420 U	383 U	368 UJ	398 U
4-NITROPHENOL	UG/KG	NA	NA	NA	840 U	2100 U	820 U	11000 U	840 U	NR	NR	796 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	420 U	56 J	5600 U	420 U	383 U	368 U	398 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	41 J	24 J	5600 U	420 U	383 U	368 U	261 J
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	460	170 J	5600 U	420 U	383 U	122 J	355 J
BENZIDINE	UG/KG	NA	NA	NA	420 U	420 U	410 UJ	5600 U	420 U	383 U	368 UJ	398 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	**1700**	**2000**	5600 U	420 U	383 U	465	**1180**
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	**1400**	**1800**	5600 U	420 U	383 U	331 J	**868**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	**1900**	**2200**	5600 U	420 U	383 U	505	**1130**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	700	1100	5600 U	420 U	383 U	210 J	434
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	**950**	790	5600 U	420 U	383 U	160 J	399
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	420 U	410 UJ	5600 UJ	420 U	383 U	368 UJ	398 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 UJ	52 J	410 U	5600 U	420 U	383 U	18.8 J	398 U
CHRYSENE	UG/KG	500000	9000	40000	420 U	1500	2100	5600 U	420 U	383 U	429	985
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	43 J	420 U	410 U	600 J	420 U	111 J	368 U	398 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	420 UJ	410 UJ	5600 UJ	420 U	383 U	368 U	398 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-9200-02 4/13/2000 0 - 1 ft.	SB-J6-941A-01 4/11/2000 0 - 2 ft.	SB-J6-942A-04 4/13/2000 0 - 2 ft.	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K5-4-01 4/18/2000 0 - 0.5 ft.	SB-K5-4-02 7/7/2000 0 - 1.25 ft.	SB-K6-1-01 7/13/2000 0 - 1 ft.	SB-K6-1-02 9/27/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	220 J	390 J	5600 U	420 U	383 U	69.9 J	398 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	420 U	120 J	970 J	420 U	383 U	368 U	398 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	2600	3000	5600 U	420 U	383 U	1080	2250
FLUORENE	UG/KG	100000	2300000	10000000	420 U	56 J	36 J	5600 U	420 U	383 U	368 U	77.2 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	420 U	410 U	5600 U	420 U	NR	NR	398 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	420 U	410 U	5600 UJ	420 U	383 U	368 UJ	398 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	420 U	410 U	5600 UJ	420 U	383 UJ	368 U	398 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	670	**960**	5600 U	420 U	383 U	205 J	456
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 UJ	420 U	410 U	5600 UJ	420 U	383 U	368 UJ	398 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	420 U	410 U	1100 J	420 U	NR	NR	398 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	840 U	2100 U	820 U	11000 U	840 U	767 U	735 U	796 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	1500	790	5600 U	420 U	383 U	568	1200
PHENOL	UG/KG	50000	10000000	10000000	420 U	420 U	410 U	5600 U	420 U	383 U	368 U	398 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	3300	3700 J	5600 U	420 U	383 U	892	1760

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K6-2-02 7/7/2000 0 - 1.5 ft.	SB-K6-2-03 4/11/2000 0 - 1 ft.	SB-K6-529-01 7/7/2000 0 - 1.5 ft.	SB-K6-529-02 4/14/2000 0 - 1.5 ft.	SB-K7-8651-02 4/14/2000 0 - 2 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-10-04 4/6/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	366 U	950 U	378 U	400 U	410 U	NR	525 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	366 U	950 UJ	378 U	400 U	410 U	372 U	NR	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	733 U	4800 U	756 U	790 U	820 U	744.8 U	NR	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	366 U	950 U	378 U	400 U	**36 J**	**318.45 J**	NR	**160 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	950 U	NR	400 U	410 U	NR	NR	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	733 U	1900 U	756 UJ	790 U	820 U	744.8 U	NR	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	733 U	4800 U	756 U	790 U	820 U	744.8 U	NR	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	4800 U	NR	790 U	820 U	NR	NR	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	366 U	950 U	378 U	400 U	48 J	372 U	NR	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	366 U	950 U	378 U	17 J	57 J	372 U	NR	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	366 U	950 U	85.4 J	25 J	86 J	372 U	NR	390 U
BENZIDINE	UG/KG	NA	NA	NA	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	57.5 J	77 J	437	120 J	510	264 J	NR	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	44.7 J	71 J	388	110 J	430	226 J	NR	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	366 U	950 UJ	553	170 J	850	344 J	NR	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	366 U	950 UJ	181 J	400 U	190 J	129 J	NR	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	366 U	950 UJ	216 J	120 J	300 J	99.06 J	NR	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	366 U	950 U	378 U	400 UJ	410 U	372 U	NR	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	366 U	110 J	378 U	400 U	23 J	372 U	NR	390 U
CHRYSENE	UG/KG	500000	9000	40000	59 J	96 J	451	140 J	580	256 J	NR	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	366 U	110 J	378 U	400 U	46 J	203 J	NR	550
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	366 U	950 UJ	378 U	400 U	410 U	372 U	NR	390 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K6-2-02 7/7/2000 0 - 1.5 ft.	SB-K6-2-03 4/11/2000 0 - 1 ft.	SB-K6-529-01 7/7/2000 0 - 1.5 ft.	SB-K6-529-02 4/14/2000 0 - 1.5 ft.	SB-K7-8651-02 4/14/2000 0 - 2 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-10-04 4/6/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	366 U	950 UJ	378 U	400 U	410 U	372 U	NR	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	152 J	950 U	1040	350 J	1800	514	NR	390 U
FLUORENE	UG/KG	100000	2300000	10000000	366 U	950 U	378 U	400 U	49 J	372 U	NR	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	950 U	NR	400 U	410 U	NR	NR	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	366 U	950 U	378 U	400 UJ	410 U	372 U	NR	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	366 UJ	950 U	378 UJ	400 UJ	410 U	372 U	NR	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	366 U	950 UJ	200 J	400 U	210 J	127 J	NR	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	366 U	950 UJ	378 U	400 UJ	410 UJ	372 U	NR	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	950 U	NR	400 U	410 U	372 U	NR	110 J
NAPHTHALENE	UG/KG	100000	230000	4200000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	733 U	4800 U	756 U	790 U	820 UJ	744.8 U	NR	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	90.2 J	130 J	566	180 J	660	204 J	NR	390 U
PHENOL	UG/KG	50000	10000000	10000000	366 U	950 U	378 U	400 U	410 U	372 U	NR	390 U
PYRENE	UG/KG	100000	1700000	10000000	87.6 J	250 J	586	180 J	1100	303 J	NR	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-10-06 4/6/2000 0 - 2 ft.	SB-L5-2275-01 4/6/2000 0 - 2 ft.	SB-L5-2313-12 4/7/2000 0 - 2 ft.	SB-L5-2313-17 4/7/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-5-01 4/28/2000 0 - 2 ft.	SB-L5-5-03 7/14/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	NR
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7800 U	970 U	790 U	1100 U	1000 U	780 U	780 U	728 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**710 J**	**712 J**	400 U	**510 J**	**320 J**	**1510**	**490**	**150 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7800 U	970 U	790 U	1100 U	1000 U	780 U	780 U	728 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7800 U	970 U	790 U	1100 U	1000 U	780 U	780 U	728 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7800 U	970 U	790 U	1100 U	1000 U	780 U	780 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3900 U	480 U	58 J	550 U	520 U	390 U	390 U	364 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3900 U	480 U	110 J	550 U	120 J	390 U	390 U	364 U
BENZIDINE	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 UJ	520 UJ	390 UJ	390 UJ	364 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3900 U	480 U	660	86 J	460 J	53 J	390 U	364 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3900 U	480 U	610	68 J	290 J	55 J	390 U	364 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3900 U	480 U	780	95 J	470 J	130 J	390 U	364 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3900 U	480 U	350 J	550 U	140 J	390 U	390 U	364 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3900 U	480 U	260 J	550 U	120 J	390 U	390 U	364 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	88 J	68 J	27 J	29 J	23 J	73 J	65.54 J
CHRYSENE	UG/KG	500000	9000	40000	3900 U	480 U	580	85 J	400 J	97 J	390 U	364 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2000 J	390 J	150 J	590	120 J	1200	380 J	398
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-10-06 4/6/2000 0 - 2 ft.	SB-L5-2275-01 4/6/2000 0 - 2 ft.	SB-L5-2313-12 4/7/2000 0 - 2 ft.	SB-L5-2313-17 4/7/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-5-01 4/28/2000 0 - 2 ft.	SB-L5-5-03 7/14/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3900 U	480 U	87 J	550 U	520 U	390 U	390 U	364 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3900 U	43 J	400 U	550 U	520 U	73 J	36 J	372
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	330 J	480 U	400 U	550 U	520 U	390 U	390 U	364 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3900 U	480 U	1100	150 J	1100	140 J	390 U	364 U
FLUORENE	UG/KG	100000	2300000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3900 U	480 U	320 J	550 U	150 J	390 U	390 U	364 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3900 U	480 U	170 J	550 U	520 U	100 J	460	349 J
NAPHTHALENE	UG/KG	100000	230000	4200000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7800 U	970 U	790 U	1100 U	1000 U	780 U	780 U	728 U
PHENANTHRENE	UG/KG	NA	NA	NA	3900 U	480 U	220 J	70 J	570	69 J	390 U	364 U
PHENOL	UG/KG	50000	10000000	10000000	3900 U	480 U	400 U	550 U	520 U	390 U	390 U	364 U
PYRENE	UG/KG	100000	1700000	10000000	3900 U	480 U	830	140 J	1100	100 J	390 U	364 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-5-03 7/14/2000 0 - 1 ft.	SB-L5-539-03 4/14/2000 0 - 1.5 ft.	SB-L5-6-02 4/11/2000 0 - 1 ft.	SB-L5-6-05 4/11/2000 0 - 2 ft.	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-8-05 4/18/2000 0 - 2 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	644 U	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	850 U	1900 U	1900 U	2000 U	890 U	2200 U	7900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	430 U	**5200**	**2750**	**360 J**	440 U	**93 J**	3900 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	850 U	760 UJ	760 UJ	780 UJ	890 U	870 U	7900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	850 U	1900 U	1900 U	2000 U	890 U	2200 U	7900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	850 U	1900 U	1900 U	2000 U	890 U	2200 U	7900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	430 JD
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	430 U	380 U	28 J	390 U	440 U	430 U	3900 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
BENZIDINE	UG/KG	NA	NA	NA	NR	430 U	380 UJ	380 UJ	390 UJ	440 U	430 UJ	3900 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	430 U	110 J	160 J	78 J	440 U	58 J	**2000 JD**
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	430 U	100 J	140 J	71 J	440 U	430 U	**2100 JD**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	430 U	160 J	190 J	94 J	440 U	430 U	**4300 D**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	430 U	380 UJ	380 U	390 U	440 U	430 U	910 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	430 U	380 UJ	110 J	390 U	440 U	430 U	**1400 JD**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	430 UJ	380 U	380 U	390 U	440 U	430 U	3900 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	28 J	59 J	36 J	54 J	440 U	44 J	770 JD
CHRYSENE	UG/KG	500000	9000	40000	NR	430 U	130 J	210 J	78 J	440 U	42 J	2800 JD
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	57 J	1500	1300	250 J	440 U	170 J	590 JD
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	430 U	380 UJ	380 U	390 U	440 U	430 U	3900 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-5-03 7/14/2000 0 - 1 ft.	SB-L5-539-03 4/14/2000 0 - 1.5 ft.	SB-L5-6-02 4/11/2000 0 - 1 ft.	SB-L5-6-05 4/11/2000 0 - 2 ft.	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-8-05 4/18/2000 0 - 2 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	430 U	380 UJ	380 U	390 U	440 U	430 U	3900 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	430 U	160 J	380 U	390 U	30 J	430 U	3900 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	430 U	150 J	390	150 J	440 U	98 J	9300 D
FLUORENE	UG/KG	100000	2300000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	270 JD
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	NR	430 UJ	380 U	380 U	390 U	440 U	430 U	3900 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	430 UJ	380 U	380 U	390 U	440 U	430 U	3900 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	430 U	380 UJ	380 U	390 U	440 U	430 U	**1000 J**
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	430 UJ	380 U	380 U	390 U	440 U	430 U	3900 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	430 U	240 J	200 J	390 U	440 U	430 U	3900 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	430 U	380 U	380 U	390 U	440 U	430 U	370 JD
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	850 U	1900 U	1900 U	2000 U	890 U	2200 U	7900 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	NR	430 U	93 J	240 J	80 J	440 U	61 J	6800 D
PHENOL	UG/KG	50000	10000000	10000000	NR	430 U	380 U	380 U	390 U	440 U	430 U	3900 U
PYRENE	UG/KG	100000	1700000	10000000	NR	430 UJ	200 J	360 J	130 J	440 U	430 U	5300 D

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-1-02 4/7/2000 0 - 2 ft.	SB-L6-1-07 4/7/2000 0 - 2 ft.	SB-L6-3-01 7/7/2000 0 - 2 ft.	SB-L6-3-02 4/13/2000 0 - 1 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.	SB-L6-370-05 4/13/2000 0 - 1.5 ft.	SB-L6-371-01 4/11/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	361 U	NR	377 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	840 U	730 U	723 U	790 U	754 U	810 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**76 J**	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	840 U	730 U	723 UJ	790 U	754 UJ	810 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	840 U	730 U	723 UJ	790 U	754 U	810 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 U	840 U	730 U	723 UJ	790 U	754 U	810 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	420 U	84 J	361 U	390 U	377 U	400 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	50 J	420 U	31 J	361 U	390 U	377 U	400 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	95 J	27 J	370 U	361 U	390 U	93.8 J	400 U	26 J
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	420 UJ	370 UJ	361 U	390 UJ	377 U	400 UJ	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	240 J	420 U	370 U	361 U	390 U	**931**	400 U	210 J
BENZO(a)PYRENE	UG/KG	100000	660	660	150 J	420 U	370 U	361 U	27 J	**688**	400 U	180 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	540 J	420 U	370 U	361 U	390 U	**1070**	400 U	200 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	160 J	420 U	370 U	361 U	390 U	453	400 U	93 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	170 J	420 U	370 U	361 U	390 U	403	400 U	100 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	420 U	370 U	NR	390 U	NR	400 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	36 J	420 U	500	39.7 J	32 J	377 U	400 U	22 J
CHRYSENE	UG/KG	500000	9000	40000	370 J	420 U	370 U	361 U	390 U	755	400 U	160 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	73 J	420 U	370 U	361 U	45 J	377 U	400 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 UJ

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-1-02 4/7/2000 0 - 2 ft.	SB-L6-1-07 4/7/2000 0 - 2 ft.	SB-L6-3-01 7/7/2000 0 - 2 ft.	SB-L6-3-02 4/13/2000 0 - 1 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.	SB-L6-370-05 4/13/2000 0 - 1.5 ft.	SB-L6-371-01 4/11/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	38 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	440	100 J	190 J	361 U	74 J	1710	400 U	330 J
FLUORENE	UG/KG	100000	2300000	10000000	410 U	420 U	69 J	361 U	390 U	377 U	400 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	420 U	370 U	361 U	390 UJ	377 U	400 UJ	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	420 U	370 U	361 U	390 UJ	377 UJ	400 UJ	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	140 J	420 U	370 U	361 U	390 U	445	400 U	89 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	420 U	370 U	361 U	390 U	377 U	400 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 J	420 U	370 U	361 U	390 U	25.6 J	400 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	33 J	66 J	240 J	361 U	390 U	377 U	400 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	840 U	730 U	723 U	790 U	754 U	810 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	130 J	100 J	300 J	44.4 J	39 J	367 J	400 U	86 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	420 U	370 U	361 U	390 U	377 U	400 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	540	420 U	370 U	361 U	390 U	984	400 U	370 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-371-02 7/7/2000 0 - 2 ft.	SB-L6-4-02 4/18/2000 0 - 1 ft.	SB-L6-4-03 7/7/2000 0 - 1.5 ft.	SB-L6-5-01 4/18/2000 0 - 1.5 ft.	SB-L6-5-02 7/7/2000 0 - 1.25 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M5-11-02 4/7/2000 0 - 1 ft.	SB-M5-12-03 4/7/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 U	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 U	830 UJ	763 U	780 U	776 U	2400 U	800 U	830 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	420 UJ	382 U	390 U	388 U	**420 J**	400 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	420 UJ	NR	390 U	NR	480 U	400 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 UJ	830 UJ	763 UJ	780 U	776 UJ	970 UJ	800 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	740 U	830 UJ	763 U	780 U	776 U	2400 U	800 U	830 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	740 U	830 UJ	NR	780 U	NR	2400 U	800 U	830 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	54.7 J	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	902	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	831	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 UJ	400 UJ	420 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**4970**	420 UJ	382 U	390 U	388 U	100 J	400 U	420 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**4640**	420 UJ	382 U	390 UJ	388 U	99 J	400 U	420 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**5910**	21 J	382 U	390 UJ	388 U	170 J	400 U	420 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3340	420 UJ	382 U	390 UJ	388 U	480 UJ	400 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1700**	420 UJ	382 U	390 UJ	388 U	480 UJ	400 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	420 UJ	382 U	390 UJ	388 U	480 U	400 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	31 J	382 U	26 J	388 U	76 J	51 J	420 U
CHRYSENE	UG/KG	500000	9000	40000	4270	420 UJ	382 U	390 U	388 U	120 J	400 U	420 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	420 UJ	140 J	35 J	388 U	410 J	150 J	38 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	420 UJ	382 U	390 UJ	388 U	480 UJ	400 U	420 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-371-02 7/7/2000 0 - 2 ft.	SB-L6-4-02 4/18/2000 0 - 1 ft.	SB-L6-4-03 7/7/2000 0 - 1.5 ft.	SB-L6-5-01 4/18/2000 0 - 1.5 ft.	SB-L6-5-02 7/7/2000 0 - 1.25 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M5-11-02 4/7/2000 0 - 1 ft.	SB-M5-12-03 4/7/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	420 UJ	382 U	390 UJ	388 U	480 UJ	400 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	420 UJ	382 U	390 U	388 U	43 J	400 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	14500	420 UJ	382 U	390 U	388 U	190 J	400 U	420 U
FLUORENE	UG/KG	100000	2300000	10000000	156 J	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	420 UJ	NR	390 U	NR	480 U	400 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	420 UJ	382 U	390 UJ	388 U	480 U	400 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 UJ	420 UJ	382 UJ	390 UJ	388 UJ	480 U	400 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	211 J	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**2910**	420 UJ	382 U	390 UJ	388 U	480 UJ	400 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	420 UJ	382 U	390 UJ	388 U	480 U	400 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	420 UJ	NR	390 U	NR	480 U	400 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	52.2 J	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	740 U	830 UJ	763 U	780 U	776 U	2400 U	800 U	830 U
PHENANTHRENE	UG/KG	NA	NA	NA	3260	420 UJ	382 U	390 U	388 U	160 J	400 U	420 U
PHENOL	UG/KG	50000	10000000	10000000	36.3 J	420 UJ	382 U	390 U	388 U	480 U	400 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	5890	420 UJ	382 U	390 U	388 U	270 J	400 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-13-03 4/6/2000 0 - 1.5 ft.	SB-M5-14-04 4/7/2000 0 - 1 ft.	SB-M5-15-01 4/7/2000 0 - 1 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	840 U	780 U	830 U	7900 U	7800 U	1100 U	9500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	390 U	420 U	**30000 J**	3900 U	**340 J**	**10900 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	780 U	830 U	7900 U	7800 U	1100 U	9500 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	840 U	780 U	830 U	7900 U	7800 U	1100 U	9500 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
4-NITROPHENOL	UG/KG	NA	NA	NA	840 U	780 U	830 U	7900 U	7800 U	1100 U	9500 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	390 U	19 J	4000 U	3900 U	560 U	4800 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	390 UJ	420 UJ	4000 U	3900 U	560 U	4800 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	51 J	390 U	420 U	4000 U	3900 U	560 U	360 J
BENZO(a)PYRENE	UG/KG	100000	660	660	40 J	390 U	60 J	4000 UJ	3900 UJ	37 J	260 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	80 J	390 U	170 J	4000 UJ	3900 UJ	560 U	4800 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 UJ	3900 UJ	560 U	4800 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	390 U	420 U	4000 UJ	3900 UJ	560 U	4800 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	68 J	31 J	40 J	4000 U	3900 U	510 J	1000 J
CHRYSENE	UG/KG	500000	9000	40000	51 J	390 U	91 J	4000 U	3900 U	63 J	600 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	50 J	390 U	420 U	32000	2100 J	260 J	470 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	390 U	420 U	4000 UJ	3900 UJ	560 UJ	4800 UJ

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-13-03 4/6/2000 0 - 1.5 ft.	SB-M5-14-04 4/7/2000 0 - 1 ft.	SB-M5-15-01 4/7/2000 0 - 1 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	390 U	420 U	4000 UJ	3900 UJ	560 U	4800 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	390 U	420 U	2000 J	400 J	160 J	4800 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	100 J	390 U	180 J	4000 U	3900 U	560 U	4800 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	390 U	420 U	4000 UJ	3900 UJ	560 UJ	4800 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	390 U	420 U	4000 UJ	3900 UJ	560 U	4800 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	390 U	420 U	15000	1900 J	800	9100
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	840 U	780 U	830 U	7900 U	7800 U	1100 U	9500 U
PHENANTHRENE	UG/KG	NA	NA	NA	63 J	25 J	50 J	4000 U	3900 U	63 J	340 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	390 U	420 U	4000 U	3900 U	560 U	4800 U
PYRENE	UG/KG	100000	1700000	10000000	110 J	390 U	150 J	4000 U	3900 U	560 U	4800 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-M5-8166-01 4/7/2000 0 - 1 ft.	SB-M5-8166-03 7/7/2000 0 - 1 ft.	SB-M5-8166A-B-C-01 7/7/2000 0 - 1.25 ft.	SB-M5-8166A-B-C-03 4/7/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4100 U	4800 U	390 U	382 U	374 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	382 U	374 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4100 U	4800 U	390 U	382 U	374 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4100 U	4800 U	390 U	382 U	374 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	8100 U	9700 U	780 U	765 U	748 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**3200 J**	**2500 J**	390 U	382 U	374 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4100 U	4800 U	390 U	382 U	374 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8100 U	9700 U	780 U	765 UJ	748 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	8100 U	9700 U	780 U	765 U	748 U	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	8100 U	9700 U	780 U	765 UJ	748 U	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	4100 U	4800 UJ	390 UJ	382 U	374 U	370 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4100 U	4800 U	390 U	382 U	374 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4100 U	4800 U	390 U	382 U	374 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	4100 U	4800 U	390 U	NR	NR	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4100 U	850 J	60 J	39.8 J	374 U	81 J
CHRYSENE	UG/KG	500000	9000	40000	4100 U	4800 U	390 U	382 U	374 U	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4100 U	42000	40 J	60.8 J	374 U	370 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4100 UJ	4800 U	390 U	382 U	374 U	370 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-M5-8166-01 4/7/2000 0 - 1 ft.	SB-M5-8166-03 7/7/2000 0 - 1 ft.	SB-M5-8166A-B-C-01 7/7/2000 0 - 1.25 ft.	SB-M5-8166A-B-C-03 4/7/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4100 U	4800 U	390 U	382 U	374 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4100 U	1400 J	390 U	382 U	374 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	4100 U	4800 U	390 U	382 U	374 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4100 U	4800 U	390 U	382 U	374 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4100 UJ	4800 UJ	390 U	382 UJ	374 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4100 U	4800 U	390 U	382 U	374 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4100 U	4800 U	390 U	382 U	374 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4100 U	4800 U	390 U	382 U	374 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	4100 U	6000	390 U	382 U	374 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	4100 U	4800 U	390 U	382 U	374 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	8100 U	9700 U	780 U	765 U	748 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	4100 U	4800 U	390 U	382 U	374 U	370 U
PHENOL	UG/KG	50000	10000000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	4100 U	4800 U	390 U	382 U	374 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-8166D-04 4/7/2000 0 - 1 ft.	SB-M5-8166E-01 4/7/2000 0 - 2 ft.	SB-M5-8166E-02 7/7/2000 0 - 2 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-2-02 4/6/2000 0 - 2 ft.	SB-N4-3-02 4/6/2000 0 - 0.5 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	350 U	355 UJ	NR	NR	359 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	780 U	699 U	709 UJ	750 U	760 U	719 U	950 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	390 U	**1324.6 J**	**1278 J**	370 U	380 U	**135 J**	**176 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 U	780 U	699 UJ	709 UJ	750 U	760 U	719 UJ	950 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	750 U	780 U	699 U	709 UJ	750 U	760 U	719 U	950 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
4-NITROPHENOL	UG/KG	NA	NA	NA	750 U	780 U	699 UJ	709 UJ	750 U	760 U	719 UJ	950 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	27 J	18 J	350 U	355 UJ	370 U	380 U	359 U	250 J
ANTHRACENE	UG/KG	100000	10000000	10000000	45 J	24 J	350 U	355 UJ	370 U	380 U	359 U	330 J
BENZIDINE	UG/KG	NA	NA	NA	370 UJ	390 UJ	350 U	355 UJ	370 U	380 UJ	359 U	480 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	170 J	85 J	350 U	355 UJ	370 U	380 U	359 U	**2500**
BENZO(a)PYRENE	UG/KG	100000	660	660	110 J	62 J	350 U	355 UJ	370 U	380 U	359 U	**1800**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	180 J	77 J	350 U	344 J	370 U	380 U	359 U	**3900**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	740
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	390 U	350 U	86.2 J	370 U	380 U	359 U	**1600**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	390 U	NR	NR	370 U	380 U	NR	480 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	78 J	18.9 J	699 J	370 U	46 J	32.7 J	200 J
CHRYSENE	UG/KG	500000	9000	40000	140 J	54 J	350 U	355 UJ	370 U	380 U	359 U	2900
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	71 J	1640	1340 J	370 U	58 J	925	300 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	390 U	350 U	355 UJ	370 UJ	380 U	359 U	480 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-8166D-04 4/7/2000 0 - 1 ft.	SB-M5-8166E-01 4/7/2000 0 - 2 ft.	SB-M5-8166E-02 7/7/2000 0 - 2 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-2-02 4/6/2000 0 - 2 ft.	SB-N4-3-02 4/6/2000 0 - 0.5 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	280 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	40 J	350 U	1510 J	370 U	62 J	99.2 J	710
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	340 J	120 J	350 U	355 UJ	370 U	380 U	359 U	2800
FLUORENE	UG/KG	100000	2300000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	30 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	390 U	350 UJ	355 UJ	370 UJ	380 UJ	359 UJ	480 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	770
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	390 U	217 J	75.6 J	370 U	380 U	61.4 J	690
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	750 U	780 U	699 U	709 UJ	750 U	760 U	719 U	950 U
PHENANTHRENE	UG/KG	NA	NA	NA	250 J	91 J	350 U	355 UJ	370 U	380 U	359 U	230 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	390 U	350 U	355 UJ	370 U	380 U	359 U	480 U
PYRENE	UG/KG	100000	1700000	10000000	270 J	150 J	350 U	355 UJ	370 U	380 U	359 U	7300

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-8-01 4/6/2000 0 - 1 ft.	SB-N5-8-03 4/6/2000 0 - 1 ft.	SB-N5-8-05 4/6/2000 0 - 1 ft.	TP-G6-906-01 8/17/2000 0 - 2 ft.	TP-G6-906-02 8/17/2000 0 - 2 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.	TP-G7-2347-03 8/17/2000 0 - 2 ft.	TP-G7-8140-05 7/27/2000 8 - 10 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	383 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	720 U	870 U	770 U	7810 U	781 UJ	8010 U	838 UJ	765 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	430 U	380 U	3910 U	390 U	4010 U	**208 J**	383 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	430 U	380 U	NR	NR	NR	NR	383 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 U	870 U	770 U	7810 UJ	781 U	8010 UJ	838 U	765 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	720 U	870 U	770 U	7810 U	781 U	8010 U	838 U	765 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
4-NITROPHENOL	UG/KG	NA	NA	NA	720 U	870 U	770 U	NR	NR	NR	NR	765 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
BENZIDINE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	360 U	430 U	380 U	3910 U	390 U	**986 J**	419 U	383 U
BENZO(a)PYRENE	UG/KG	100000	660	660	360 U	430 U	380 U	3910 U	390 U	**749 J**	419 U	383 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 U	430 U	380 U	3910 U	390 U	**1510 J**	419 U	383 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	430 U	380 U	3910 U	390 U	897 J	419 U	383 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	42 J	140 J	39 J	3910 U	390 U	240 J	23 J	383 U
CHRYSENE	UG/KG	500000	9000	40000	360 U	430 U	380 U	3910 U	390 U	1090 J	419 U	383 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	360 U	430 U	380 U	3910 U	49.6 J	4010 U	165 J	383 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 UJ	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-8-01 4/6/2000 0 - 1 ft.	SB-N5-8-03 4/6/2000 0 - 1 ft.	SB-N5-8-05 4/6/2000 0 - 1 ft.	TP-G6-906-01 8/17/2000 0 - 2 ft.	TP-G6-906-02 8/17/2000 0 - 2 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.	TP-G7-2347-03 8/17/2000 0 - 2 ft.	TP-G7-8140-05 7/27/2000 8 - 10 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	325 J	383 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	360 U	430 U	380 U	3910 U	390 U	1090 J	419 U	383 U
FLUORENE	UG/KG	100000	2300000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	430 U	380 U	NR	NR	NR	NR	383 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 UJ	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	430 U	380 U	3910 U	390 U	4010 U	30.2 J	383 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 U	430 U	380 U	NR	NR	NR	NR	383 U
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	720 U	870 U	770 U	7810 U	781 U	8010 U	838 U	765 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
PHENOL	UG/KG	50000	10000000	10000000	360 U	430 U	380 U	3910 U	390 U	4010 U	419 U	383 U
PYRENE	UG/KG	100000	1700000	10000000	360 U	430 U	380 U	3910 U	390 U	1010 J	419 U	383 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H5-1-01 8/8/2000 10 - 12 ft.	TP-H5-3-01 8/8/2000 9 - 11 ft.	TP-H5-8181-01 8/17/2000 0 - 2 ft.	TP-H5-8181-03 8/17/2000 0 - 2 ft.	TP-H6-10-A 7/26/2000 10 - 12 ft.	TP-H6-11A 7/26/2000 4 - 6 ft.	TP-H6-8152A/8152B 7/27/2000 7 - 9 ft.	TP-H6-8285-12 7/26/2000 5.5 - 7.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	386 U	406 U	371 U	386 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	764 U	797 U	7590 U	7730 U	771 U	812 U	742 U	772 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	382 UJ	398 UJ	3790 U	3870 U	386 U	406 U	371 U	386 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	386 U	406 U	371 U	386 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	764 U	797 U	7590 UJ	7730 UJ	771 U	812 U	742 U	772 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	764 U	797 U	7590 U	7730 U	771 U	812 U	742 U	772 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	771 U	812 U	742 U	772 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
ANTHRACENE	UG/KG	100000	10000000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
BENZIDINE	UG/KG	NA	NA	NA	382 UJ	398 UJ	3790 U	3870 U	386 UJ	406 UJ	371 U	386 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	382 U	398 U	**1010 J**	429 J	386 U	406 U	371 U	386 U
BENZO(a)PYRENE	UG/KG	100000	660	660	382 U	398 U	**1130 J**	468 J	386 U	406 U	371 U	386 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	382 U	398 U	**1820 J**	3870 U	386 U	406 U	371 U	386 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	382 U	398 U	3790 U	3870 U	386 UJ	406 UJ	371 UJ	386 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	382 U	398 U	3790 U	3870 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	118 J	41 J	3790 U	3870 U	386 U	406 U	371 U	386 U
CHRYSENE	UG/KG	500000	9000	40000	382 U	398 U	1260 J	433 J	386 U	406 U	371 U	386 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	89 J	398 U	3790 U	3870 U	386 U	406 UJ	371 U	386 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	382 U	398 U	3790 U	3870 U	386 UJ	406 UJ	371 U	386 UJ

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H5-1-01 8/8/2000 10 - 12 ft.	TP-H5-3-01 8/8/2000 9 - 11 ft.	TP-H5-8181-01 8/17/2000 0 - 2 ft.	TP-H5-8181-03 8/17/2000 0 - 2 ft.	TP-H6-10-A 7/26/2000 10 - 12 ft.	TP-H6-11A 7/26/2000 4 - 6 ft.	TP-H6-8152A/8152B 7/27/2000 7 - 9 ft.	TP-H6-8285-12 7/26/2000 5.5 - 7.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	382 U	398 U	1570 J	3870 U	386 U	406 U	371 U	386 U
FLUORENE	UG/KG	100000	2300000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	382 U	398 U	NR	NR	386 U	406 U	371 U	386 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
ISOPHORONE	UG/KG	50000	1100000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	382 U	398 U	3790 U	3870 U	386 UJ	406 UJ	371 U	386 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 UJ	406 U	371 U	386 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	382 U	398 U	NR	NR	386 U	406 U	371 U	386 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	NR	3790 U	3870 U	386 U	406 U	371 U	386 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	764 U	797 U	7590 U	7730 U	771 U	812 U	742 U	772 U
PHENANTHRENE	UG/KG	NA	NA	NA	382 U	398 U	3790 U	3870 U	386 U	406 U	371 U	386 U
PHENOL	UG/KG	50000	10000000	10000000	382 U	398 U	3790 U	3870 U	386 U	406 U	371 UJ	386 U
PYRENE	UG/KG	100000	1700000	10000000	382 U	398 U	1850 J	3870 U	386 UJ	406 UJ	371 UJ	386 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H7-1-01 8/9/2000 7.5 - 9.5 ft.	TP-H7-12-01 7/27/2000 7 - 9 ft.	TP-M5-10-01 8/8/2000 4 - 6 ft.
Semi-Volatile Organic Compounds							
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	373 U	352 U	381 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	373 U	352 U	381 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	373 UJ	352 U	381 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	373 U	352 U	381 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	373 U	352 U	381 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	373 U	352 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	373 U	352 U	381 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	373 U	352 U	381 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	373 U	352 U	381 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	746 U	705 U	762 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	373 U	352 U	381 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	373 U	352 U	381 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	373 U	352 U	381 U
2-NITROPHENOL	UG/KG	NA	NA	NA	373 U	352 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	746 U	705 U	762 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	746 U	705 U	762 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	373 U	352 U	381 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	373 U	352 U	381 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	373 U	352 U	381 U
4-NITROPHENOL	UG/KG	NA	NA	NA	746 U	705 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	373 U	352 U	381 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	373 U	352 U	381 U
ANTHRACENE	UG/KG	100000	10000000	10000000	373 U	352 U	74.7 J
BENZIDINE	UG/KG	NA	NA	NA	373 UJ	352 UJ	381 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	373 U	352 U	236 J
BENZO(a)PYRENE	UG/KG	100000	660	660	373 U	352 U	162 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	373 U	352 U	220 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	373 U	352 U	381 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	373 U	352 U	87.7 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	373 U	352 U	381 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	373 U	352 U	381 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	373 U	352 UJ	381 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	381 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	20.2 J	352 U	27.8 J
CHRYSENE	UG/KG	500000	9000	40000	373 U	352 U	194 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	373 U	352 U	145 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	373 U	352 UJ	381 U

Table 5-5B

Analytical Results
Development Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H7-1-01 8/9/2000 7.5 - 9.5 ft.	TP-H7-12-01 7/27/2000 7 - 9 ft.	TP-M5-10-01 8/8/2000 4 - 6 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	373 U	352 U	381 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	373 U	352 U	381 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	373 U	352 U	381 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	373 U	352 U	483
FLUORENE	UG/KG	100000	2300000	10000000	373 U	352 U	381 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	373 UJ	352 U	381 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	373 U	352 U	381 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	373 U	352 U	381 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	373 UJ	352 U	381 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	373 U	352 U	75.5 J
ISOPHORONE	UG/KG	50000	1100000	10000000	373 U	352 U	381 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	373 UJ	352 UJ	381 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	373 U	352 UJ	381 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	373 U	352 U	381 U
NAPHTHALENE	UG/KG	100000	230000	4200000	373 U	352 U	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	746 U	705 U	762 U
PHENANTHRENE	UG/KG	NA	NA	NA	373 U	352 U	314 J
PHENOL	UG/KG	50000	10000000	10000000	373 U	352 U	381 U
PYRENE	UG/KG	100000	1700000	10000000	373 U	352 UJ	348 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-1-02 6/21/2000 0 - 1 ft.	SB-G6-1-03 4/4/2000 0 - 1.25 ft.	SB-G6-2-02 6/21/2000 0 - 1.25 ft.	SB-G6-2-03 3/30/2000 0 - 1 ft.	SB-G6-3-01 3/28/2000 0 - 2 ft.	SB-G6-3-02 6/21/2000 0 - 1 ft.	SB-G6-4-01 3/31/2000 0 - 1 ft.	SB-G6-8128-04 3/28/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	480 U	NR	396 U	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	480 U	NR	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	240 U	NR	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	480 U	NR	792 U	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	480 U	NR	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	240 U	400 U	396 U	480 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	66.2 J	86.1 J	0.48 UJ	153 J	NR	NR	NR	390
NITROGLYCERIN	UG/KG	NA	46000	200000	6140 U	7100 U	6640 U	15000	NR	NR	NR	5200 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	480 U	NR	NR	NR	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 R	500 R	500 R	480 U	NR	NR	NR	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8129-01 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8242-04 4/4/2000 0 - 1.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.	SB-G6-8244-01 3/31/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	5600 U	530 U	420 U	450 U	430 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G6-9219-04 6/22/2000 0 - 1.5 ft.	SB-G6-9219-05 3/30/2000 0 - 1.5 ft.	SB-G7-8139-02 3/28/2000 0 - 1 ft.	SB-G7-8139-05 3/28/2000 0 - 1 ft.	SB-G7-8140-02 3/28/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	220 R	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	386 U	500 U	500 U	480 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	480 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	772 U	500 U	500 U	480 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	480 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	386 U	250 U	250 U	460 J	450 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	0.468 U	40.6 U	1290	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	386 U	6240 U	5800	42000 J	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	480 U	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-G7-E49-02 4/4/2000 0 - 1 ft.	SB-G7-E49-05 6/21/2000 0 - 1 ft.	SB-G8-2293-02 4/4/2000 0 - 0.5 ft.	SB-G8-8177A-01 4/4/2000 0 - 2 ft.	SB-G8-8178-01 4/4/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	NR	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	NR	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	NR	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	NR	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	NR	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	NR	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	NR	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	NR	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	NR	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	NR	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	170 J	250 U	470 U	400 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	250 J	60.7 J	NR	NR	40.2 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6100	6320 U	NR	NR	5200 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	NR	NR	480 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 R	500 R	NR	NR	480 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-8178-02 7/7/2000 0 - 2 ft.	SB-H5-2-01 7/13/2000 0 - 1 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-8126-07 7/13/2000 0 - 0.75 ft.	SB-H5-8126-11 7/13/2000 0 - 1 ft.	SB-H5-8254-01 9/27/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	500 U	NR	NR	NR	192 U	250 U	95.2 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	500 U	NR	NR	NR	192 U	250 U	95.2 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	500 U	NR	NR	NR	192 U	250 U	95.2 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	500 U	NR	NR	NR	192 U	250 U	95.2 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	500 U	NR	NR	NR	192 U	250 U	95.2 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	1000 U	18.9 U	NR	367 U	385 U	500 U	190 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	1000 U	NR	NR	NR	385 U	500 U	190 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	500 U	NR	NR	NR	192 U	250 U	95.2 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	1000 U	NR	NR	733 U	385 U	500 U	190 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	1000 U	NR	NR	NR	385 U	500 U	190 U
NITROBENZENE	UG/KG	10000	39000	510000	500 U	NR	440 U	367 U	192 U	250 U	95.2 U
NITROCELLULOSE	MG/KG	NA	NA	NA	32.6	NR	NR	NR	36.3 U	43.7 U	38.2 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5390 U	NR	NR	367 U	5120 U	3800 J	5980 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	1000 U	NR	NR	NR	385 U	500 U	190 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	1000 U	NR	NR	NR	385 U	500 U	190 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H5-8254-04 7/13/2000 0 - 1.25 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-1-02 4/14/2000 0 - 2 ft.	SB-H6-1-03 6/21/2000 0 - 2 ft.	SB-H6-8116-01 3/30/2000 0 - 1 ft.	SB-H6-8116-02 6/21/2000 0 - 1.25 ft.	SB-H6-8120-04 3/30/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	NR	NR	NR	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	NR	NR	NR	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	NR	NR	NR	420 R	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	NR	NR	NR	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	NR	NR	NR	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	NR	533 U	500 U	462 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	NR	NR	NR	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	NR	NR	NR	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	NR	1066 U	500 U	924 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	NR	NR	NR	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	238 U	420 U	450 U	533 U	250 U	462 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.5 U	NR	NR	NR	334 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5150 U	NR	NR	NR	16000	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	NR	NR	NR	500 U	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	500 U	NR	NR

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8120-05 3/30/2000 0 - 2 ft.	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8122-01 3/30/2000 0 - 0.75 ft.	SB-H6-8123B-04 4/4/2000 0 - 2 ft.	SB-H6-8123B-06 4/4/2000 0 - 1 ft.	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	410 U	450 U	460 UJ	420 U	450 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	40.4 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	5400
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8152-04 3/30/2000 0 - 1 ft.	SB-H6-8152-05 3/30/2000 0 - 2 ft.	SB-H6-8152-07 3/30/2000 0 - 1.5 ft.	SB-H6-8245-01 4/6/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 UJ	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 UJ	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 R	1400 R	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**490 J**	**7800 J**	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 UJ	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 UJ	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 UJ	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 UJ	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 UJ	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	300 R	1800 R	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 UJ	2200 UJ	440 UJ	430 UJ	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	713 J	5080 J	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	33000	29000	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	300 R	500 UJ	NR	NR	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	44000 D	500 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	500 UJ	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8246-01 4/6/2000 0 - 1 ft.	SB-H6-8247-02 4/13/2000 0 - 2 ft.	SB-H6-8247-05 4/13/2000 0 - 2 ft.	SB-H6-8250-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8251-02 6/21/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	2200 U	390 U	400 U	440 U	460 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	0.411 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	5750 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	476 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	476 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8251-03 4/4/2000 0 - 1 ft.	SB-H6-8275-02 4/4/2000 0 - 1.25 ft.	SB-H6-8275-04 6/21/2000 0 - 1.5 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.	SB-H6-8285-07 7/13/2000 0 - 1 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 UJ	250 U	NR	NR	208 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 UJ	250 U	NR	NR	208 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 UJ	250 U	NR	NR	208 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 UJ	250 U	NR	NR	**231**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 UJ	250 U	NR	NR	208 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 UJ	500 U	364 U	407 U	417 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 UJ	500 U	NR	NR	417 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 UJ	250 U	NR	NR	208 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 UJ	500 U	727 U	813 U	417 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 UJ	500 U	NR	NR	417 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 UJ	250 U	364 U	407 U	208 U
NITROCELLULOSE	MG/KG	NA	NA	NA	52.7 J	5010 J	58 J	NR	NR	4290
NITROGLYCERIN	UG/KG	NA	46000	200000	6100 U	6600 U	5910 U	364 U	407 U	17300
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 UJ	500 U	NR	NR	417 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 R	500 R	500 R	NR	NR	417 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-862-01 6/21/2000 0 - 1.5 ft.	SB-H6-862-04 3/28/2000 0 - 1 ft.	SB-H6-918-01 4/14/2000 0 - 0.5 ft.	SB-H6-918-03 6/21/2000 0 - 1 ft.	SB-H6-941C-02 4/14/2000 0 - 1 ft.	SB-H6-941C-03 6/21/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	250 U	250 U	238 U	**300**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	476 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	500 U	476 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	476 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	500 U	476 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	250 U	238 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	0.466 UJ	43 UJ	83 J	0.45 UJ	72.9 J	57.4 J	66.1 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6530 U	6100 U	6100 U	6300 U	5900 U	6020 U	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	500 U	476 U	480 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 R	500 U	500 U	500 R	500 U	476 R	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-15-02 3/30/2000 0 - 1.5 ft.	SB-H7-2172-03 4/4/2000 0 - 1.5 ft.	SB-H7-2172-06 4/4/2000 0 - 2 ft.	SB-H7-4-02 6/21/2000 0 - 1 ft.	SB-H7-4-04 3/30/2000 0 - 1.5 ft.	SB-H7-5-01 3/28/2000 0 - 1 ft.	SB-H7-5-02 6/21/2000 0 - 1.25 ft.	SB-H7-6-02 3/28/2000 0 - 0.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	500 U	500 U	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	500 U	500 U	500 U	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	250 U	250 U	250 U	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	500 U	500 U	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	500 U	500 U	500 U	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	480 U	250 U	250 U	250 U	150 J	250 U	250 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	233 J	39.1 J	72.9 J	180 J	57.6 J	0.408 UJ	90.4 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	**83000**	5800 U	6810 U	6700 U	6000 U	5450 U	7300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	500 U	500 U	500 U	500 U	480 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 R	500 R	500 R	500 U	500 U	500 R	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-03 4/4/2000 0 - 2 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8124-01 4/4/2000 0 - 1 ft.	SB-H7-8131-04 3/30/2000 0 - 1 ft.	SB-H7-8131-06 3/30/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	250 U	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	250 U	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	250 U	250 U	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	**920**	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	250 U	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 U	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	500 U	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 U	250 U	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 U	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	500 U	500 U	NR	4900 J	500 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	260	420 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	46.7 J	70.9 J	3870 J	NR	2630 J	40.3 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	6300 U	6800 U	2400	NR	5200 U	6600 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	500 U	NR	1400	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	500 R	500 R	NR	500 U	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8134-02 3/28/2000 0 - 1.5 ft.	SB-H7-8134-04 6/21/2000 0 - 1.25 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.	SB-H7-8142-05 7/19/2000 0 - 1 ft.	SB-H7-8143-03 6/21/2000 0 - 1.25 ft.	SB-H7-8143-04 3/30/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	2200 R	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	140 R	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	424 U	500 U	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	849 U	500 U	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	**10000 J**	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	4100 UJ	424 U	250 U	NR	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	7510 J	260	140 J	41.7 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	**150000**	NR	5740 J	**50000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	110000 ^D	NR	500 U	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	500 R	500 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8144-01 6/21/2000 0 - 1 ft.	SB-H7-8144-05 3/30/2000 0 - 1.5 ft.	SB-H7-8145-01 3/30/2000 0 - 2 ft.	SB-H7-8145-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-04 6/21/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	250 U	240 UJ	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	250 U	240 UJ	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	250 U	240 UJ	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	250 U	240 UJ	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	250 U	240 UJ	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	500 U	480 UJ	500 U	NR	422 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	500 U	480 UJ	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	660 J	240 UJ	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	500 U	480 UJ	500 U	NR	845 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	4030	**9300**	2500 J	2800 J	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	238 U	250 U	240 UJ	250 U	460 U	422 U
NITROCELLULOSE	MG/KG	NA	NA	NA	96.2 J	183 J	137 J	3500 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6020	5500	9800	**52000**	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	1410	7100	350 J	**8500000 !D**	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	476 R	500 U	480 UJ	500 U	NR	NR

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8176-01 4/4/2000 0 - 1.5 ft.	SB-H7-8176-01 6/16/2000 0 - 1.5 ft.	SB-H7-8176-02 6/21/2000 0 - 2 ft.	SB-H7-8248-02 3/31/2000 0 - 1 ft.	SB-H7-8252-01 3/31/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	248 U	250 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	248 U	250 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	248 U	250 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	248 U	250 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	248 U	250 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	495 U	500 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	495 U	500 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	248 U	250 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	495 U	500 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	495 U	500 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	248 U	250 U	400 U	410 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	103 J	145	0.424 UJ	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	7000 U	6860 U	5800 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	6580	500 U	NR	NR	NR
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 R	495 U	500 R	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8282-02 6/21/2000 0 - 1.25 ft.	SB-H7-8282-03 3/30/2000 0 - 1 ft.	SB-H7-9-04 3/28/2000 0 - 1 ft.	SB-H7-916-01 3/30/2000 0 - 1.5 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-8102-02 4/6/2000 0 - 2 ft.	SB-H8-8177-01 4/14/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	NR	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	NR	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	NR	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	NR	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	NR	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	430 U	NR	500 U	NR	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	NR	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	NR	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	861 U	NR	500 U	NR	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	NR	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	430 U	460 U	250 U	390 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	1350 J	NR	48 J	NR	39 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	6000 U	NR	5700 U	NR	5400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	NR	500 U	500 U	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-8177-02 4/14/2000 0 - 2 ft.	SB-H8-8179-01 4/14/2000 0 - 2 ft.	SB-H8-8179-02 4/14/2000 0 - 2 ft.	SB-H8-9221-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.	SB-I5-2-01 4/13/2000 0 - 2 ft.	SB-I5-2-02 4/13/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	240 U	**480**	**140 J**	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	480 U	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	480 U	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	240 U	240 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.1 UJ	40 UJ	49.2 UJ	40.9 J	3430 J	53.8 J	39.8 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	5500 U	5500 U	5900 U	6000 U	5900 U	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	480 U	480 U	500 U	500 U	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	480 U	480 U	500 U	500 U	500 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-3-03 4/14/2000 0 - 1 ft.
Energetics & Explosives					
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	220 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6100 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U
PENTAERYTHRITOL TETRANITRATE	UG/KG	NA	NA	NA	NR
TETRYL	UG/KG	NA	780000	10000000	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-4-03 4/6/2000 0 - 1 ft.	SB-I5-7-01 7/21/2000 0 - 1 ft.	SB-I5-7-05 4/13/2000 0 - 0.5 ft.	SB-I5-8-01 4/13/2000 0 - 2 ft.	SB-I5-8-02 6/21/2000 0 - 2 ft.	SB-I5-8141-01 4/6/2000 0 - 1 ft.	SB-I5-8141-03 6/21/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	240 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	240 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	358 U	380 U	240 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	44.2 J	NR	NR	42.3 UJ	0.401 UJ	40.2 J	57 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	NR	NR	6000 U	5470 U	5600 U	4960 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 R	500 U	500 R

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-8168-01 6/21/2000 0 - 1.5 ft.	SB-I5-8168-02 4/6/2000 0 - 2 ft.	SB-I5-8169-02 4/6/2000 0 - 1 ft.	SB-I5-8170-02 4/13/2000 0 - 1 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-11-01 4/13/2000 0 - 0.5 ft.	SB-I6-3-03 6/21/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	NR	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	NR	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	NR	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	NR	NR	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	NR	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	413 U	NR	500 U	NR	NR	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	NR	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	NR	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	826 U	NR	500 U	NR	NR	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	NR	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	413 U	390 U	250 U	370 U	390 U	3800 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	46.4 J	NR	NR	NR	84.3 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	3300 J	NR	NR	NR	6720 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	NR	NR	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	NR	NR	500 R

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-3-04 3/31/2000 0 - 2 ft.	SB-I6-5-02 3/30/2000 0 - 1 ft.	SB-I6-5-05 3/30/2000 0 - 1 ft.	SB-I6-8125-03 4/13/2000 0 - 1.5 ft.	SB-I6-8125-05 4/13/2000 0 - 1 ft.	SB-I6-8125-07 4/13/2000 0 - 1 ft.	SB-I6-8132-02 4/13/2000 0 - 1 ft.	SB-I6-8132-05 4/13/2000 0 - 0.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	240 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	240 U	250 U	250 U	250 U	270 R
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	240 U	250 U	250 U	250 U	220 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	240 U	250 U	250 U	250 U	**210 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	240 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	240 U	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	430 U	3900 U	240 U	250 U	250 U	250 U	150 R
NITROCELLULOSE	MG/KG	NA	NA	NA	93.5 J	NR	NR	36.4 UJ	40.1 UJ	64.3 J	83.3 J	490 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6100	NR	NR	5600 U	5700 U	6400 U	16000	**220000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	500 U	500 U	500 U	500 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8171-01 4/7/2000 0 - 2 ft.	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171-06 4/7/2000 0 - 2 ft.	SB-I6-8171-07 4/7/2000 0 - 1.5 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8171C-01 4/4/2000 0 - 2 ft.	SB-I6-8171C-02 6/21/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	250 U	250 U	250 U	NR	250 U	227 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	250 U	250 U	250 U	NR	250 U	227 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	250 U	250 U	250 U	NR	250 U	227 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	250 U	250 U	250 U	NR	250 U	227 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	250 U	250 U	250 U	NR	250 U	227 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	500 U	500 U	NR	500 U	454 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	500 U	500 U	500 U	NR	500 U	454 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	250 U	250 U	250 U	NR	250 U	227 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	500 U	500 U	NR	500 U	454 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	500 U	500 U	500 U	NR	380 J	454 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	250 U	250 U	250 U	4000 U	250 U	227 U
NITROCELLULOSE	MG/KG	NA	NA	NA	56.5	52.3	40.2 U	704	NR	53.5 J	0.442 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	6500 U	6300 U	5800 U	5700 U	NR	6800 U	5630 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	1200	500 U	500 U	500 U	NR	500 U	454 U
TETRYL	UG/KG	NA	780000	10000000	450 U	500 U	500 U	500 U	NR	500 R	454 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8172-06 4/4/2000 0 - 2 ft.	SB-I6-8173-01 4/6/2000 0 - 0.5 ft.	SB-I6-8174-02 4/4/2000 0 - 2 ft.	SB-I6-8174-04 6/21/2000 0 - 1.5 ft.	SB-I6-8175-04 4/4/2000 0 - 1 ft.	SB-I6-8181-01 4/13/2000 0 - 0.5 ft.	SB-I6-8181-02 6/21/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	NR	NR	NR	250 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	NR	NR	NR	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	NR	NR	NR	NR	250 U	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	NR	NR	NR	250 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	NR	NR	NR	NR	250 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	500 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	NR	NR	NR	500 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	NR	NR	NR	NR	250 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	500 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	840 U	NR	NR	NR	NR	500 U	476 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	420 U	NR	NR	430 U	250 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	41.3 UJ	49.1 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5900 U	5860 U	NR	6300 U	6040 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	NR	NR	NR	500 U	476 U
TETRYL	UG/KG	NA	780000	10000000	840 R	NR	NR	NR	NR	500 U	476 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8183-01 4/6/2000 0 - 2 ft.	SB-I6-8183-05 4/6/2000 0 - 2 ft.	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.	SB-I6-8192-01 3/30/2000 0 - 2 ft.	SB-I6-8192-03 3/30/2000 0 - 2 ft.	SB-I6-8263-01 3/31/2000 0 - 2 ft.	SB-I6-8263-02 6/21/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	NR	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	NR	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**420 J**	NR	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	420 U	250 U	410 U	420 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	83.2 J	NR	NR	76.3 J	0.421 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	6500 U	NR	NR	6200	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	NR	NR	500 U	500 R

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I6-9-05 4/6/2000 0 - 2 ft.	SB-I6-9210-02 6/21/2000 0 - 2 ft.	SB-I6-9210-03 4/13/2000 0 - 1 ft.	SB-I6-9215-01 3/31/2000 0 - 2 ft.	SB-I6-E3-04 6/21/2000 0 - 1 ft.	SB-I6-E3-05 3/30/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	250 UJ	240 U	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	250 UJ	240 U	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	250 U	250 UJ	240 U	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	**11700 J**	240 U	NR	**129 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	250 UJ	240 U	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 UJ	480 U	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	500 UJ	480 U	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 U	250 UJ	240 U	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 UJ	480 U	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	500 U	500 UJ	480 U	NR	500 U	740 J
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	250 UJ	240 U	430 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	62.8	43.4 J	561 J	133 J	NR	80.4 J	52.5 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6200 U	5900 U	39400	5600 U	NR	6210 U	7000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	500 UJ	480 U	NR	500 U	800
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	500 R	480 U	NR	500 R	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-E4-01 7/14/2000 0 - 1 ft.	SB-I7-8-03 3/30/2000 0 - 2 ft.	SB-J5-4-01 7/7/2000 0 - 1 ft.	SB-J5-4-02 4/11/2000 0 - 1.5 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-1-01 7/7/2000 0 - 1.5 ft.	SB-J6-1-04 4/13/2000 0 - 2 ft.	SB-J6-2-03 4/13/2000 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	240 U	250 U	240 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227 U	240 U	250 U	240 U	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227 U	240 U	250 U	240 U	250 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227 U	240 U	250 U	240 U	**270**	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227 U	240 U	250 U	240 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	480 U	500 U	480 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	455 U	480 U	500 U	480 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227 U	240 U	250 U	240 U	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	480 U	500 U	480 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	455 U	480 U	500 U	480 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	240 U	250 U	240 U	290	250 U	250 U	470 J
NITROCELLULOSE	MG/KG	NA	NA	NA	42.9	81.4 J	102	44.3 J	161 J	34.9 U	43.3 UJ	3750 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5492 U	6400 U	7860	24000	5600 U	5120 U	6100 U	6900
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	455 U	320 J	500 U	480 U	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	455 U	480 U	500 U	480 U	500 U	500 U	500 U	500 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-2245-03 7/7/2000 0 - 1 ft.	SB-J6-2245-05 4/13/2000 0 - 2 ft.	SB-J6-3-02 4/13/2000 0 - 1.25 ft.	SB-J6-6-01 4/13/2000 0 - 1 ft.	SB-J6-6-05 4/13/2000 0 - 1 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-01 4/13/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	240 U	250 U	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	240 U	250 U	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	240 U	250 U	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	NR	240 U	250 U	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	240 U	250 U	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	480 U	500 U	NR	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	480 U	500 U	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	240 U	250 U	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	480 U	500 U	NR	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	480 U	500 U	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	420 U	240 U	250 U	380 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	34.3 U	35.9 UJ	NR	42.9 UJ	49.1 UJ	NR	40 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	5280 U	5800 U	NR	6500 U	7000 U	NR	6000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	480 U	500 U	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	NR	480 U	500 U	NR	480 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8133-04 4/13/2000 0 - 2 ft.	SB-J6-8133-05 4/11/2000 0 - 2 ft.	SB-J6-8133-05 4/13/2000 0 - 1.5 ft.	SB-J6-8134-01 4/13/2000 0 - 2 ft.	SB-J6-8134-04 4/13/2000 0 - 1.25 ft.	SB-J6-8134-05 4/13/2000 0 - 1 ft.	SB-J6-8136-04 4/11/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	NR	250 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	NR	250 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	NR	250 U	250 U	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**580 J**	NR	250 U	250 U	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	NR	250 U	250 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	580 U	NR	500 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	580 U	NR	500 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	210 R	240 U	NR	250 U	250 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	580 U	NR	500 U	500 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	580 U	NR	500 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	380 U	250 U	250 U	250 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	40.8 UJ	72.8 J	NR	45.9 UJ	43.3 J	42.8 UJ	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5500 U	6100 U	NR	6400 U	5900 U	6400 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	580 U	NR	500 U	500 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	580 U	NR	500 U	500 U	500 U	NR

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RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8136-07 4/11/2000 0 - 2 ft.	SB-J6-8167-02 4/11/2000 0 - 1.5 ft.	SB-J6-915-01 4/11/2000 0 - 1 ft.	SB-J6-9200-01 7/7/2000 0 - 1 ft.	SB-J6-9200-02 4/13/2000 0 - 1 ft.	SB-J6-941A-01 4/11/2000 0 - 2 ft.	SB-J6-942A-04 4/13/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	248 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	248 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	248 U	250 U	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	248 U	250 U	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	248 U	250 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	495 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	495 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	248 U	250 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	495 U	500 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	495 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	390 U	380 U	248 U	250 U	250 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	69.4	49.2 J	42.4 UJ	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	6250 U	6300 U	6400 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	495 U	500 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	495 U	500 U	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K5-4-01 4/18/2000 0 - 0.5 ft.	SB-K5-4-02 7/7/2000 0 - 1.25 ft.	SB-K5-9213-03 4/14/2000 0 - 2 ft.	SB-K5-9213-05 4/14/2000 0 - 1 ft.	SB-K6-1-01 7/13/2000 0 - 1 ft.	SB-K6-1-02 9/27/2000 0 - 1.25 ft.	SB-K6-2-02 7/7/2000 0 - 1.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	250 U	250 U	100 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	250 U	250 U	100 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	250 U	250 U	100 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	250 U	250 U	100 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	250 U	250 U	100 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	383 U	500 U	500 U	500 U	200 U	366 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	500 U	500 U	200 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	250 U	250 U	100 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	767 U	500 U	500 U	500 U	200 U	733 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	500 U	500 U	200 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	5600 U	420 U	383 U	250 U	250 U	250 U	100 U	366 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	38.8 U	39.9 U	38.5 U	28.4 U	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	383 U	5900 U	6000 U	5030 U	5680 U	366 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	500 U	500 U	200 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	200 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K6-2-03 4/11/2000 0 - 1 ft.	SB-K6-529-01 7/7/2000 0 - 1.5 ft.	SB-K6-529-02 4/14/2000 0 - 1.5 ft.	SB-K6-9214-03 4/11/2000 0 - 1 ft.	SB-K6-9214-05 4/11/2000 0 - 1 ft.	SB-K6-9217-01 4/11/2000 0 - 2 ft.	SB-K6-9217-05 4/11/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	485 U	250 U	250 U	230 U	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	485 U	250 U	250 U	230 U	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	485 U	250 U	250 U	230 U	250 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	485 U	250 U	250 U	230 U	250 U	**290**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	485 U	250 U	250 U	230 U	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	971 U	500 U	500 U	450 U	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	971 U	500 U	500 U	450 U	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	485 U	250 U	250 U	230 U	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	971 U	500 U	500 U	450 U	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	971 U	500 U	500 U	450 U	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	950 U	485 U	250 U	250 U	230 U	250 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	51.3	73 J	84.4 J	181 J	247 J	80.4 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5660 U	5800 U	6400 U	4800 J	13000	11000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	971 U	500 U	500 U	450 U	500 U	480 U
TETRYL	UG/KG	NA	780000	10000000	NR	971 U	500 U	500 U	450 U	500 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K7-8651-02 4/14/2000 0 - 2 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-10-04 4/6/2000 0 - 1.5 ft.	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-10-06 4/6/2000 0 - 2 ft.	SB-L5-2275-01 4/6/2000 0 - 2 ft.	SB-L5-2313-12 4/7/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	NR	240 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	NR	NR	240 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	**212 J**	NR	NR	NR	240 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**766**	NR	NR	NR	240 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	NR	NR	240 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	480 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	NR	NR	480 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	130 J	NR	NR	NR	240 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	480 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	NR	NR	480 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	410 U	250 U	390 U	3900 U	480 U	240 U	550 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	49.3	NR	NR	NR	106 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4360 J	NR	NR	NR	6000 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	NR	NR	480 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	NR	480 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-2313-17 4/7/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-5-01 4/28/2000 0 - 2 ft.	SB-L5-5-03 7/14/2000 0 - 1 ft.	SB-L5-539-03 4/14/2000 0 - 1.5 ft.	SB-L5-6-02 4/11/2000 0 - 1 ft.	SB-L5-6-03 4/11/2000 0 - 2 ft.	SB-L5-6-05 4/11/2000 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	250 U	NR	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	NR	250 U	NR	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	**3300**	NR	NR	250 U	NR	**2700**	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**2700 J**	NR	NR	250 U	NR	**2300 J**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	**1300 J**	NR	NR	250 U	NR	**300**	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	364 U	500 U	NR	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	NR	500 U	NR	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	1000 J	NR	NR	250 U	NR	390	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	728 U	500 U	NR	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	720 R	NR	NR	500 U	NR	1400 J	NR
NITROBENZENE	UG/KG	10000	39000	510000	520 U	150 R	390 U	364 U	250 U	380 U	250 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	131 J	NR	NR	58.8 J	NR	686 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5900 U	NR	NR	6400 U	NR	5300 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	NR	500 U	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	500 U	NR	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-8-05 4/18/2000 0 - 2 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-1-02 4/7/2000 0 - 2 ft.	SB-L6-1-07 4/7/2000 0 - 2 ft.	SB-L6-3-01 7/7/2000 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	230 U	250 U	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	230 U	250 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	230 U	250 U	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**260 J**	250 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	230 U	250 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	450 U	500 U	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	450 U	500 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	230 U	250 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	450 U	500 U	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	450 U	500 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	440 U	230 U	360	410 U	420 U	370 U	361 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	68.9 J	149 J	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	6300 U	21000	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	450 U	500 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	450 U	500 U	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-3-02 4/13/2000 0 - 1 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.	SB-L6-370-05 4/13/2000 0 - 1.5 ft.	SB-L6-371-01 4/11/2000 0 - 1 ft.	SB-L6-371-02 7/7/2000 0 - 2 ft.	SB-L6-4-02 4/18/2000 0 - 1 ft.	SB-L6-4-03 7/7/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	240 U	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	NR	382 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	480 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	NR	763 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	480 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	250 U	250 U	240 U	250 U	420 UJ	382 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1140	42.3 UJ	40.1 UJ	36.6	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4580 J	6000 U	5500 U	4730 U	NR	382 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	480 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-5-01 4/18/2000 0 - 1.5 ft.	SB-L6-5-02 7/7/2000 0 - 1.25 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M5-11-02 4/7/2000 0 - 1 ft.	SB-M5-12-03 4/7/2000 0 - 1 ft.	SB-M5-13-03 4/6/2000 0 - 1.5 ft.	SB-M5-14-04 4/7/2000 0 - 1 ft.	SB-M5-15-01 4/7/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	485 U	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	485 U	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	485 U	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	485 U	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	485 U	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	971 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	971 U	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	485 U	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	971 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	971 U	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	485 U	480 U	400 U	420 U	420 U	390 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.4 U	29.2 U	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	5820 U	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	971 U	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	971 U	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-3-01 4/6/2000 0 - 2 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.	SB-M5-3-16 4/6/2000 0 - 0.75 ft.	SB-M5-3-17 4/6/2000 0 - 0.75 ft.	SB-M5-3-19 4/6/2000 0 - 0.75 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	250 U	NR	NR	240 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	250 U	NR	NR	240 U	**210 J**	**270 J**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**1300**	250 U	NR	NR	240 U	250 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**6800 J**	**130000 J**	250 U	NR	NR	240 U	**1500**	**2300 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	250 U	NR	NR	240 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 U	NR	NR	480 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	500 U	NR	NR	480 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 U	250 U	NR	NR	240 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	500 U	NR	NR	480 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	4800 R	500 U	NR	NR	3200 J	1100 R	550 R
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	250 U	560 U	4800 U	360 J	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	35600 U	8950	5670	NR	NR	1150	176	2450
NITROGLYCERIN	UG/KG	NA	46000	200000	**64000**	**140000**	**73000**	NR	NR	6000 U	6100 U	**46000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	500 U	NR	NR	480 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	500 U	NR	NR	480 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-8166-01 4/7/2000 0 - 1 ft.	SB-M5-8166-03 7/7/2000 0 - 1 ft.	SB-M5-8166A-B-C-01 7/7/2000 0 - 1.25 ft.	SB-M5-8166A-B-C-03 4/7/2000 0 - 1 ft.	SB-M5-8166D-04 4/7/2000 0 - 1 ft.	SB-M5-8166E-01 4/7/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	382 U	374 U	370 U	370 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-8166E-02 7/7/2000 0 - 2 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-2-02 4/6/2000 0 - 2 ft.	SB-N4-3-02 4/6/2000 0 - 0.5 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.	SB-N5-8-01 4/6/2000 0 - 1 ft.	SB-N5-8-03 4/6/2000 0 - 1 ft.	SB-N5-8-05 4/6/2000 0 - 1 ft.
Energetics & Explosives													
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	**323000**	500 U	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	350 U	250 U	250 U	380 U	359 U	480 U	360 U	430 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1220	38.6 U	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	18300	5600 U	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	47200	500 U	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G6-906-01 8/17/2000 0 - 2 ft.	TP-G6-906-02 8/17/2000 0 - 2 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.	TP-G7-2347-03 8/17/2000 0 - 2 ft.	TP-G7-8140-05 7/27/2000 8 - 10 ft.	TP-H5-1-01 8/8/2000 10 - 12 ft.	TP-H5-3-01 8/8/2000 9 - 11 ft.	TP-H5-8181-01 8/17/2000 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	185 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	185 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	185 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	185 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	185 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	3910 U	390 U	4010 U	419 U	NR	382 U	398 U	370 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	370 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	185 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	7810 U	781 U	8010 U	838 U	NR	764 U	797 U	370 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	370 U
NITROBENZENE	UG/KG	10000	39000	510000	3910 U	390 U	4010 U	419 U	383 U	382 U	398 U	185 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	59.4
NITROGLYCERIN	UG/KG	NA	46000	200000	3910 U	390 U	4010 U	419 U	NR	NR	NR	5690 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	370 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5C

Analytical Results
Development Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H5-8181-03 8/17/2000 0 - 2 ft.	TP-H6-10-A 7/26/2000 10 - 12 ft.	TP-H6-11A 7/26/2000 4 - 6 ft.	TP-H6-8152A/8152B 7/27/2000 7 - 9 ft.	TP-H6-8285-12 7/26/2000 5.5 - 7.5 ft.	TP-H7-1-01 8/9/2000 7.5 - 9.5 ft.	TP-H7-12-01 7/27/2000 7 - 9 ft.	TP-M5-10-01 8/8/2000 4 - 6 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	200 U	NR	NR	NR	NR	217 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	200 U	NR	NR	NR	NR	217 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 U	NR	NR	NR	NR	217 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	200 U	NR	NR	NR	NR	217 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 U	NR	NR	NR	NR	217 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	NR	NR	NR	NR	435 U	NR	381 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	400 U	NR	NR	NR	NR	435 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	200 U	NR	NR	NR	NR	217 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	NR	NR	NR	NR	435 U	NR	762 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	400 U	NR	NR	NR	NR	435 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	200 U	386 U	406 U	371 U	386 U	217 U	352 U	381 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.9 U	NR	NR	NR	NR	36.2 UJ	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5660 U	NR	NR	NR	NR	4770 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	400 U	NR	NR	NR	NR	435 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	400 U	NR	NR	NR	NR	435 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-5D

Analytical Results
Development Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-8139-08 3/28/2000 0 - 0.5 ft.	SB-H5-2-01 7/13/2000 0 - 1 ft.	SB-H6-12-01 4/7/2000 0 - 2 ft.	SB-H6-4-01 4/14/2000 0 - 2 ft.	SB-H6-7-01 3/30/2000 0 - 1 ft.	SB-H6-8520-01 3/30/2000 0 - 1 ft.	SB-H6-8520-02 3/30/2000 0 - 1 ft.	SB-H6-8520-03 3/30/2000 0 - 2 ft.
Polychlorinated Biphenyls												
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	17 UJ	18.9 U	21 U	21 U	24 U	80 U	590 U	23 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	17 UJ	18.9 U	21 U	21 U	24 U	80 U	590 U	23 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	17 UJ	18.9 U	21 U	21 U	24 U	80 U	590 U	23 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	17 UJ	18.9 U	21 U	21 U	24 U	80 U	590 U	23 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	17 UJ	NR	21 U	21 U	24 U	80 U	590 U	23 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	17 UJ	89.6	21 U	21 U	24 U	1100	9800	23 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	34 UJ	NR	41 U	41 U	48 U	160 U	1200 U	44 U
TOTAL PCBS	UG/KG	50000	490	2000	34 UJ	89.6	41 U	41 U	48 U	**1100**	**9800**	44 U

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Table 5-5D

Analytical Results
Development Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8520-04 3/30/2000 0 - 2 ft.	SB-H6-8520-05 3/30/2000 0 - 2 ft.	SB-H6-9-01 3/30/2000 0 - 2 ft.	SB-H7-10-01 3/28/2000 0 - 1.5 ft.	SB-H7-2-01 3/30/2000 0 - 1.5 ft.	SB-I5-1-01 4/13/2000 0 - 2 ft.	SB-I5-1-02 4/13/2000 0 - 1.5 ft.	SB-I5-1-03 4/13/2000 0 - 2 ft.	SB-J6-4-01 4/13/2000 0 - 1.5 ft.
Polychlorinated Biphenyls													
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	24 U	26 U	24 U	21 U	23 U	20 U	21 UJ	22 U	27 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	47 U	50 U	47 U	42 U	45 U	40 U	41 UJ	43 U	52 U
TOTAL PCBS	UG/KG	50000	490	2000	47 U	50 U	47 U	42 U	45 U	40 U	41 UJ	43 U	52 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-5D

Analytical Results
Development Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-5-01 4/13/2000 0 - 1 ft.	SB-J6-8-01 4/13/2000 0 - 2 ft.	SB-J6-9-01 4/11/2000 0 - 2 ft.	SB-L5-11-01 4/14/2000 0 - 1 ft.	SB-L5-7-01 4/14/2000 0 - 1.5 ft.	SB-M4-2-01 4/6/2000 0 - 1.25 ft.
Polychlorinated Biphenyls										
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	22 U	20 U	19 U	24 U	22 U	20 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	43 U	39 U	38 U	47 U	44 U	38 U
TOTAL PCBS	UG/KG	50000	490	2000	43 U	39 U	38 U	47 U	44 U	38 U

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ft. = Feet below ground surface

Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-2-02 6/21/2000 0 - 1.25 ft.	SB-G6-2-03 3/30/2000 0 - 1 ft.	SB-G6-3-01 3/28/2000 0 - 2 ft.	SB-G6-3-02 6/21/2000 0 - 1 ft.	SB-G6-4-01 3/31/2000 0 - 1 ft.	SB-G6-8128-04 3/28/2000 0 - 1 ft.	SB-G6-8129-01 3/28/2000 0 - 1 ft.	SB-G6-8129-05 3/28/2000 0 - 0.5 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.583 U	0.72 U	0.73 UJ	0.588 U	4.2 UN	1.4 J	1.5 J	4.3 J
ARSENIC	MG/KG	NA	20	20	3.62	3.3	3.9 J	4.83	12.9	**70 J**	12.1 J	13.1 J
BERYLLIUM	MG/KG	NA	2	2	0.221	0.21	0.67	0.482	1.2	0.82	0.6	0.53
CADMIUM	MG/KG	NA	39	100	0.358 J	0.08 B	0.07 B	0.334 J	2.2	5.9	1.4	7.6
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	6.04	5.3 J	12.2 J	14.4	23.6 J	24.4 J	26.5 J	49.7 J
COPPER	MG/KG	NA	600	600	92.2	12.7	63.5 J	21	114	86 N	29.2 N	211 N
LEAD	MG/KG	NA	400	600	186	49 J	241	194	330 J	**1010**	300	**1050**
MERCURY	MG/KG	NA	14	270	1.41 J	1.1	2.7	1.96 J	10.1	9.9	4.4	**32.1**
NICKEL	MG/KG	NA	250	2400	7.26	5.6 J	7.8	10.2	17.8 J	20.1	22.2	15.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.976	0.84	0.8	0.621	3.5 U	3.3	1.4	2.3
SILVER	MG/KG	NA	110	4100	0.291 U	0.48 U	0.36 U	0.294 U	2.1 U	0.95	0.37 U	0.66
THALLIUM	MG/KG	NA	2	2	0.971 U	1.6 U	1.2 U	0.98 U	7 U	1.6	1.2 U	1.6 U
ZINC	MG/KG	NA	1500	1500	36.4	20.4	177	115	329	493	648	**2150**

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G6-8129-06 3/28/2000 0 - 0.5 ft.	SB-G6-8242-04 4/4/2000 0 - 1.5 ft.	SB-G6-8243-03 3/30/2000 0 - 1 ft.	SB-G6-8244-01 3/31/2000 0 - 1.5 ft.	SB-G6-8244-03 7/14/2000 0 - 1 ft.	SB-G6-9219-04 6/22/2000 0 - 1.5 ft.	SB-G6-9219-05 3/30/2000 0 - 1.5 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	9.1 J	0.7 UJ	1.5 UN	1 U	0.653 J	0.539 UJ	0.65 UJ
ARSENIC	MG/KG	NA	20	20	17.8 J	4.5	**22.4 N**	15.8	**34.7 J**	3.07	2.3
BERYLLIUM	MG/KG	NA	2	2	0.78	0.19	0.58	0.58	0.622	0.462	0.75
CADMIUM	MG/KG	NA	39	100	10.1	0.44	20.8	3.2	20.2	0.269 U	0.32 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.2 J	6.8 N	31.9	11.6 J	26.8	46.1 J	19.2 J
COPPER	MG/KG	NA	600	600	43.2 N	15.8	41.4 N	30.5	88.3	16.5	16.5
LEAD	MG/KG	NA	400	600	**928**	76.1	**4710**	274 J	**4360**	30.2	6.3 J
MERCURY	MG/KG	NA	14	270	**42.7**	**36.9**	5.6 J	6.8	7.78 J	0.087 J	0.04 U
NICKEL	MG/KG	NA	250	2400	15.9	6.7 N	16	11.5 J	35	22 J	10.4 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	4.9	0.4 B	2.3 N	2.4	6.37	0.449 U	0.54 U
SILVER	MG/KG	NA	110	4100	1	0.35 UJ	1.7	0.25 B	1.84	0.269 U	0.32 U
THALLIUM	MG/KG	NA	2	2	3 U	1.2 U	2.5 U	1.2 U	2.26 UJ	0.898 U	1.1 U
ZINC	MG/KG	NA	1500	1500	**3320**	219	**5120 N**	802	**3200**	41.6 J	125

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-8139-05 3/28/2000 0 - 1 ft.	SB-G7-8140-02 3/28/2000 0 - 2 ft.	SB-G7-8249-02 3/28/2000 0 - 0.5 ft.	SB-G7-E49-02 4/4/2000 0 - 1 ft.	SB-G8-2293-02 4/4/2000 0 - 0.5 ft.	SB-G8-8177A-01 4/4/2000 0 - 2 ft.	SB-G8-8178-01 4/4/2000 0 - 2 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.76 UJ	0.63 UJ	4.4 J	0.82 UJ	0.81 UJ	0.56 UJ	0.48 UJ
ARSENIC	MG/KG	NA	20	20	**72.4 J**	5.5 J	**31.7 J**	11.4	13.8	4.2	1.8
BERYLLIUM	MG/KG	NA	2	2	0.94	0.48	0.41	0.63	0.84	0.55	0.57
CADMIUM	MG/KG	NA	39	100	0.39	0.31 U	0.36 U	0.14 B	0.4 U	0.28 U	0.24 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	25.9 J	9.8 J	29.8 J	18 N	22.1 N	18 N	9.3 N
COPPER	MG/KG	NA	600	600	**969 N**	17.6 N	108 N	384	89.9	15.8	11.8
LEAD	MG/KG	NA	400	600	**510**	64	**996**	148	141	7.2	4.8
MERCURY	MG/KG	NA	14	270	11.6	0.56	11.7	1.2	0.22	0.05	0.03 U
NICKEL	MG/KG	NA	250	2400	19.6	6.1	14.2	13.5 N	14.1 N	10.3 N	6.9 N
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.8	0.58	3.3	0.96	1.3	0.4 B	0.4 U
SILVER	MG/KG	NA	110	4100	0.45	0.31 U	0.8	0.41 UJ	0.4 UJ	0.28 UJ	0.24 UJ
THALLIUM	MG/KG	NA	2	2	**2**	0.53 B	**2.2**	1.4 U	1.6	1	0.63 B
ZINC	MG/KG	NA	1500	1500	527	183	186	242	150	40.8	47.7

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-8178-02 7/7/2000 0 - 2 ft.	SB-H5-4-03 4/13/2000 0 - 1 ft.	SB-H5-8126-06 7/13/2000 0 - 1 ft.	SB-H5-8126-07 7/13/2000 0 - 0.75 ft.	SB-H5-8254-01 9/27/2000 0 - 1 ft.	SB-H5-8254-04 7/13/2000 0 - 1.25 ft.	SB-H5-938-01 4/13/2000 0 - 1 ft.	SB-H6-1-02 4/14/2000 0 - 2 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.622 UJ	0.76 J	**59.4**	1.12	0.663 U	0.66 U	0.74 UJ	0.8 UJ
ARSENIC	MG/KG	NA	20	20	1.37	**24.1 N**	**26.8 J**	10 J	4.95	4.67 J	**27.7 N**	5.7
BERYLLIUM	MG/KG	NA	2	2	0.82	1.2	0.311	0.28	0.91 J	0.527	1.3	1.1
CADMIUM	MG/KG	NA	39	100	0.311	0.68	0.449	0.481	0.466	0.853	1.7	2.2
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.86	14.6	22	14.2	18.2	16.6	21.6	21.6
COPPER	MG/KG	NA	600	600	7.39	478 J	186	326	32.1	60.2	**799 J**	18.8
LEAD	MG/KG	NA	400	600	4.14	235 J	**4980**	288	230 J	392	147 J	177 J
MERCURY	MG/KG	NA	14	270	0.032 UJ	12.4	**137 J**	0.031 UJ	0.488	0.604 J	**45.7**	0.26
NICKEL	MG/KG	NA	250	2400	3.86 J	12.9	18.6	25.2	11.1	10.7	19.1	13.4
pH	PH	NA	NA	NA	NR	4.69	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.518 U	1.1	0.921	2.59	0.57 U	1.1	0.88	0.86
SILVER	MG/KG	NA	110	4100	0.311 U	0.66	1.13	0.312 U	0.872	2.11	0.34 B	0.4 U
THALLIUM	MG/KG	NA	2	2	1.04 U	1.3 U	1.06 UJ	1.04 UJ	1.14 U	1.1 UJ	1.2 U	1.3 UN
ZINC	MG/KG	NA	1500	1500	30.1	151 N	295	92.2	207	262	746 N	887

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-1-03 6/21/2000 0 - 2 ft.	SB-H6-8116-01 3/30/2000 0 - 1 ft.	SB-H6-8116-02 6/21/2000 0 - 1.25 ft.	SB-H6-8120-04 3/30/2000 0 - 1.5 ft.	SB-H6-8120-05 3/30/2000 0 - 2 ft.	SB-H6-8120-06 3/30/2000 0 - 2 ft.	SB-H6-8122-01 3/30/2000 0 - 0.75 ft.	SB-H6-8123B-04 4/4/2000 0 - 2 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.577 U	0.68 UN	0.536 UJ	0.71 UN	0.72 UN	0.75 UN	0.44 UJ	0.75 UJ
ARSENIC	MG/KG	NA	20	20	10.1	3.4 N	5.54	8.9 N	5.6 N	5.9 N	7.1	6.2
BERYLLIUM	MG/KG	NA	2	2	1.07	0.51	0.759	0.82	0.2	0.7	0.7	0.58
CADMIUM	MG/KG	NA	39	100	0.755	0.1 B	0.919	1	0.36 U	0.38 U	0.4 U	0.85
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.4	13.6	16.7	23.2	5.6	24.1	27.3 J	25.5 N
COPPER	MG/KG	NA	600	600	182	25.1 N	24.7	175 N	7.6 N	**2260 N**	136	270
LEAD	MG/KG	NA	400	600	158	78.2	114	248	32	**541**	186 J	349
MERCURY	MG/KG	NA	14	270	0.285 J	0.5 J	6.73 J	**138 J**	1.7	**52 J**	5.8	**31.5**
NICKEL	MG/KG	NA	250	2400	15.6	9.3	12	14.6	2	25.9	14 J	14.1 N
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.59	0.69 N	0.446 UJ	1.9 N	0.58 BN	1.2 N	0.89	0.59 B
SILVER	MG/KG	NA	110	4100	0.288 U	0.34 U	0.268 U	1.1	0.36 U	0.99	0.4 U	0.47 J
THALLIUM	MG/KG	NA	2	2	0.962 U	1.1 U	0.893 U	1.2 U	1.2 U	1.3 U	1.3 U	1.2 U
ZINC	MG/KG	NA	1500	1500	125	67.1 N	234 J	966 N	21.4 N	207 N	132	277

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8123B-06 4/4/2000 0 - 1 ft.	SB-H6-8127-02 3/30/2000 0 - 1.5 ft.	SB-H6-8130-03 3/30/2000 0 - 1 ft.	SB-H6-8130-06 3/30/2000 0 - 1.5 ft.	SB-H6-8152-04 3/30/2000 0 - 1 ft.	SB-H6-8152-05 3/30/2000 0 - 2 ft.	SB-H6-8152-07 3/30/2000 0 - 1.5 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.76 UJ	0.53 UN	3.8 N	0.42 BN	0.6 U	0.72 UJ	0.5 U
ARSENIC	MG/KG	NA	20	20	11	4.9 N	10.1 N	10 N	8.3	7.7	9.3
BERYLLIUM	MG/KG	NA	2	2	0.92	0.83	0.78	0.75	0.87	1.1	0.59
CADMIUM	MG/KG	NA	39	100	0.38 B	0.27 U	1.9	0.4 U	0.36 U	0.36 U	0.35 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	23 N	14.2	21.7	17.8	19.8 J	19.7 J	17.5 J
COPPER	MG/KG	NA	600	600	258	345 N	236 N	148 N	86.9	85	75.8
LEAD	MG/KG	NA	400	600	376	30.5	**797**	364	**432 J**	252 J	**444 J**
MERCURY	MG/KG	NA	14	270	9.8	**44.7 J**	**57.6 J**	6.2 J	**44.6**	8.4	2.2
NICKEL	MG/KG	NA	250	2400	10.6 N	9.6	17.1	13	12.8 J	15.6 J	11.8 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2	0.77 N	1.5 N	1.3 N	1.1	0.63	0.85
SILVER	MG/KG	NA	110	4100	0.38 UJ	0.27 U	0.72	0.4 U	0.56	0.35 B	0.35 U
THALLIUM	MG/KG	NA	2	2	1.3 U	0.89 U	1.4 U	1.3 U	1.2 U	1.2 U	1.2 U
ZINC	MG/KG	NA	1500	1500	234	258 N	1020 N	467 N	457	792	163

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ft. = Feet below ground surface

Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8245-01 4/6/2000 0 - 1 ft.	SB-H6-8246-01 4/6/2000 0 - 1 ft.	SB-H6-8247-02 4/13/2000 0 - 2 ft.	SB-H6-8247-05 4/13/2000 0 - 2 ft.	SB-H6-8250-01 4/6/2000 0 - 1 ft.	SB-H6-8250-04 4/6/2000 0 - 1 ft.	SB-H6-8285-05 7/13/2000 0 - 0.75 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.96 J	0.86 J	0.67 UJ	0.66 UJ	1.4 J	0.83 UJ	0.642 U
ARSENIC	MG/KG	NA	20	20	9	14.2	4.4 J	2.8 J	5.3	8.3	**36.2 J**
BERYLLIUM	MG/KG	NA	2	2	0.25 J	0.63	0.52 J	0.64 J	0.53	0.75	0.515
CADMIUM	MG/KG	NA	39	100	0.4 J	0.09 B	0.64	0.37	1.5	3.2	0.597
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	32.4 N	15.5	18.2 J	13.8 J	11.4	31.8	14.6
COPPER	MG/KG	NA	600	600	21.6	36.2 J	34 J	9.3 J	36.3 J	49.4 J	57.3
LEAD	MG/KG	NA	400	600	**405 J**	375	93.2 J	20.2 J	324	**915**	165
MERCURY	MG/KG	NA	14	270	0.22	0.66	5.5	0.41	0.52	0.44	**2940 J**
NICKEL	MG/KG	NA	250	2400	12.5	8.6	7.2 J	6.6 J	6.4	12.9	14.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.8 N	0.72 N	0.7	0.69	0.61 BN	0.7 N	2.67
SILVER	MG/KG	NA	110	4100	0.35 U	0.39 U	0.33 U	0.33 U	0.37 U	0.26 B	0.344
THALLIUM	MG/KG	NA	2	2	1.2 U	0.88 B	1.1 UN	1.1 UN	1.2 U	1.4	1.07 UJ
ZINC	MG/KG	NA	1500	1500	146	95.6 J	109 J	55.4 J	449 J	843 J	243

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-8285-07 7/13/2000 0 - 1 ft.	SB-H6-8285-08 7/13/2000 0 - 1 ft.	SB-H6-862-01 6/21/2000 0 - 1.5 ft.	SB-H6-862-04 3/28/2000 0 - 1 ft.	SB-H6-918-01 4/14/2000 0 - 0.5 ft.	SB-H6-918-03 6/21/2000 0 - 1 ft.
Metals										
ANTIMONY	MG/KG	NA	14	340	0.691 U	0.624 U	0.583 U	0.69 UJ	0.68 UJ	0.594 U
ARSENIC	MG/KG	NA	20	20	**31.2 J**	6.26 J	4.97	4.6 J	5.6	6.53
BERYLLIUM	MG/KG	NA	2	2	0.531	0.273	1	0.67	0.82	0.925
CADMIUM	MG/KG	NA	39	100	0.7	0.378	0.532	0.65	0.7	0.371 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.9	13.7	16	13.2 J	17.2	18.1
COPPER	MG/KG	NA	600	600	496	56	23.1	21.2 N	16.5	17.8
LEAD	MG/KG	NA	400	600	**608**	108	45.8	63.7	52.3 J	40.2
MERCURY	MG/KG	NA	14	270	7.82 J	**103 J**	0.159 J	0.1	2.9	1.34 J
NICKEL	MG/KG	NA	250	2400	16.3	8.35	11.4	9.2	10.2	11.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.96	0.854	1.29	0.83	0.99	0.972
SILVER	MG/KG	NA	110	4100	0.367	0.52	0.291 U	0.35 U	0.34 U	0.297 U
THALLIUM	MG/KG	NA	2	2	1.15 UJ	1.04 UJ	0.971 U	1.2 U	1.1 UN	0.99 U
ZINC	MG/KG	NA	1500	1500	261	150	117	440	154	97.9

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H6-941C-02 4/14/2000 0 - 1 ft.	SB-H6-941C-03 6/21/2000 0 - 1 ft.	SB-H7-13-05 3/28/2000 0 - 1 ft.	SB-H7-15-02 3/30/2000 0 - 1.5 ft.	SB-H7-2172-03 4/4/2000 0 - 1.5 ft.	SB-H7-2172-06 4/4/2000 0 - 2 ft.	SB-H7-4-02 6/21/2000 0 - 1 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.73 J	0.6 U	**55 J**	0.82 UJ	0.71 UJ	0.7 UJ	0.577 U
ARSENIC	MG/KG	NA	20	20	2	1.94	**51.5 J**	**20.3 J**	6.2	6.8	4.41
BERYLLIUM	MG/KG	NA	2	2	0.22	0.125 J	0.67 B	0.65	0.51	0.59	1.11
CADMIUM	MG/KG	NA	39	100	0.25 B	0.104 U	3.6 U	0.41 UJ	0.36 U	0.08 B	0.423
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.1	5.05	40.9 J	13.8	43.4 N	87.5 N	16
COPPER	MG/KG	NA	600	600	22.9	12	404 N	21.9	26.3	13.8	11.6
LEAD	MG/KG	NA	400	600	25.5 J	9.47	**17900**	104 J	28.4	8.5	58.1
MERCURY	MG/KG	NA	14	270	0.5	0.101 J	3.8	0.52	0.06	0.05	0.177 J
NICKEL	MG/KG	NA	250	2400	7.4	7.32	34.5	7.3	7.6 N	8.8 N	10.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 B	0.589 J	5.7 B	0.66 B	0.47 B	0.84	1.38
SILVER	MG/KG	NA	110	4100	0.34 U	0.3 U	2.3 B	0.41 U	0.36 UJ	0.35 UJ	0.288 U
THALLIUM	MG/KG	NA	2	2	1.1 UN	1 U	12 U	1.4 U	1.2 U	0.59 B	0.962 U
ZINC	MG/KG	NA	1500	1500	43.2	11.7	587	55.3	215	133	188

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-4-04 3/30/2000 0 - 1.5 ft.	SB-H7-5-01 3/28/2000 0 - 1 ft.	SB-H7-5-02 6/21/2000 0 - 1.25 ft.	SB-H7-6-02 3/28/2000 0 - 0.5 ft.	SB-H7-606L-01 3/28/2000 0 - 1 ft.	SB-H7-8123A-03 4/4/2000 0 - 2 ft.	SB-H7-8123A-05 4/4/2000 0 - 1 ft.	SB-H7-8124-01 4/4/2000 0 - 1 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.74 UJ	0.43 J	0.588 U	0.89 UJ	0.7 UJ	0.75 UJ	2.9 J	0.7 UJ
ARSENIC	MG/KG	NA	20	20	6.8 J	6.4 J	3.99	9.6 J	**20 J**	6.3	6.2	6.3
BERYLLIUM	MG/KG	NA	2	2	0.85	0.54	0.594	1.3	0.56	0.57	0.3	0.69
CADMIUM	MG/KG	NA	39	100	0.13 J	0.34 U	0.246 J	0.44 U	0.35 U	1.6	6.6	0.1 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.8	12 J	13.1	21.1 J	18.4 J	14.5 N	39.6 J	21.6 N
COPPER	MG/KG	NA	600	600	15.5	16.1 N	16.3	26.3 N	22.8 N	33.4	595	17.7
LEAD	MG/KG	NA	400	600	77 J	39	28	97.7	29.6	**500**	**44000**	65.8
MERCURY	MG/KG	NA	14	270	0.53	0.82	1.09 J	7.4	0.23	0.77	**324**	1.4
NICKEL	MG/KG	NA	250	2400	9.2	7.1	8.66	14.9	9	7.2 N	33.6 J	8.1 N
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1	0.95	0.483 J	1.6	1.3	1	16	0.69
SILVER	MG/KG	NA	110	4100	0.37 U	0.34 U	0.294 U	0.76	0.35 U	0.38 UJ	26.2 J	0.35 UJ
THALLIUM	MG/KG	NA	2	2	1.2 U	1.1 U	0.98 U	0.86 B	1.1 B	1.3 U	1.8 U	1.2 U
ZINC	MG/KG	NA	1500	1500	127	62.2	141	161	68.3	284	681	68.1

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8131-04 3/30/2000 0 - 1 ft.	SB-H7-8131-06 3/30/2000 0 - 2 ft.	SB-H7-8134-02 3/28/2000 0 - 1.5 ft.	SB-H7-8134-04 6/21/2000 0 - 1.25 ft.	SB-H7-8142-05 3/30/2000 0 - 1 ft.	SB-H7-8143-03 6/21/2000 0 - 1.25 ft.	SB-H7-8143-04 3/30/2000 0 - 2 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.58 UJ	0.76 UJ	0.67 UJ	0.55 U	0.7 UN	1.22	0.72 UN
ARSENIC	MG/KG	NA	20	20	3.1 J	3.9 J	8.1 J	5.81	4.7 N	7.25	6.4 N
BERYLLIUM	MG/KG	NA	2	2	0.25	0.64	0.57 UJ	0.486	0.47	0.747	0.75
CADMIUM	MG/KG	NA	39	100	0.29 UJ	0.38 UJ	0.33 UJ	0.471	0.3 B	1.93	0.36
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.3	15.7	13.7 J	12.1	43.1	50.7	17.1
COPPER	MG/KG	NA	600	600	18.5	**1720**	19.9 UJ	38.1	47.7 N	389	238 N
LEAD	MG/KG	NA	400	600	48.7 J	157 J	309 UJ	56.4	248	197	123
MERCURY	MG/KG	NA	14	270	0.09	0.11	2.5 UJ	2 J	**82.7 J**	1.4 J	0.44 J
NICKEL	MG/KG	NA	250	2400	5.2	7.6	9.6 UJ	8.07	29.9	18.5	10.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.48 U	0.48 B	1.2 UJ	0.733	0.75 N	1.13	1 N
SILVER	MG/KG	NA	110	4100	0.29 U	0.37 B	0.33 UJ	0.275 U	7.5	0.373 J	0.36 U
THALLIUM	MG/KG	NA	2	2	0.97 U	1.3 U	0.79 UJ	0.917 U	1.2 U	1 U	1.2 U
ZINC	MG/KG	NA	1500	1500	55.9	64.2	87.6 UJ	84	229 N	330	211 N

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8145-01 3/30/2000 0 - 2 ft.	SB-H7-8145-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-03 3/30/2000 0 - 1.5 ft.	SB-H7-8146-04 6/21/2000 0 - 1.5 ft.	SB-H7-8176-01 4/4/2000 0 - 1.5 ft.	SB-H7-8176-02 6/21/2000 0 - 2 ft.	SB-H7-8248-02 3/31/2000 0 - 1 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.65 UJ	0.68 UJ	0.81 UJ	0.577 U	0.83 UJ	0.561 U	0.67 UN
ARSENIC	MG/KG	NA	20	20	6.1 J	5.9 J	6.4 J	3.39	8.1	3.13	9.5
BERYLLIUM	MG/KG	NA	2	2	0.84	0.81	0.93	0.824	0.35	0.786	0.61
CADMIUM	MG/KG	NA	39	100	0.32 U	0.34 UJ	0.4 UJ	0.319 J	0.41 U	1.18	0.34 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.2	19.6	17	17.1	12.3 N	10.9	38.1 J
COPPER	MG/KG	NA	600	600	52.3 J	103	23.6	35.2	22	14.1	15
LEAD	MG/KG	NA	400	600	94.8	149 J	69.8 J	27.8	34.3	12.2	55.8 J
MERCURY	MG/KG	NA	14	270	0.2 J	0.4	0.27	0.598 J	0.08	0.183 J	3.9
NICKEL	MG/KG	NA	250	2400	8.3	11.8	9.5	9.06	5.6 N	5.71	15.9 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.98 J	0.54 B	0.98	0.957	0.57 B	0.467 U	0.62
SILVER	MG/KG	NA	110	4100	0.32 U	0.34 U	0.4 U	0.288 U	0.41 UJ	0.28 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 U	1.3 U	0.962 U	1.4 U	0.935 U	1.1 U
ZINC	MG/KG	NA	1500	1500	197 J	309	169	108	44.2	57.9	102

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-8252-01 3/31/2000 0 - 1 ft.	SB-H7-8255-02 4/13/2000 0 - 1 ft.	SB-H7-8282-02 6/21/2000 0 - 1.25 ft.	SB-H7-8282-03 3/30/2000 0 - 1 ft.	SB-H7-9-04 3/28/2000 0 - 1 ft.	SB-H8-2-03 3/28/2000 0 - 1 ft.	SB-H8-8102-02 4/6/2000 0 - 2 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.47 U	0.7 UJ	0.566 U	0.76 UJ	0.69 UJ	0.41 J	0.39 J
ARSENIC	MG/KG	NA	20	20	9.7	5.5 J	5.55	9.6 J	17.2 J	**106 J**	**25.6**
BERYLLIUM	MG/KG	NA	2	2	0.76	0.69 J	0.583	0.76	0.57	0.36	0.84 J
CADMIUM	MG/KG	NA	39	100	0.36 U	2.4	0.435	0.38 UJ	0.35 U	0.33 U	0.15 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	49 J	1010 J	19.6	16.5	27 J	29 J	18.6 N
COPPER	MG/KG	NA	600	600	34.8	23.7 J	23.7	21.1	35.6 N	15.6 N	17.2
LEAD	MG/KG	NA	400	600	136 J	**2160 J**	43.6	49.8 J	128	58.4	24.6 J
MERCURY	MG/KG	NA	14	270	1.5	**55.5**	0.408 J	0.88	7.4	0.04	0.05
NICKEL	MG/KG	NA	250	2400	14.2 J	11.8 J	9.29	8.4	11.8	5.6	9.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 B	0.57 B	0.777	0.73	1.3	0.7	1 N
SILVER	MG/KG	NA	110	4100	0.36 U	0.29 B	0.283 U	0.38 U	0.35 U	0.33 U	0.36 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 UN	0.943 U	1.3 U	1.1 B	0.85 B	1.2 U
ZINC	MG/KG	NA	1500	1500	570	1150 J	72.4	82.4	172	166	108

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-8177-01 4/14/2000 0 - 2 ft.	SB-H8-8177-02 4/14/2000 0 - 2 ft.	SB-H8-8179-01 4/14/2000 0 - 2 ft.	SB-H8-8179-02 4/14/2000 0 - 2 ft.	SB-H8-9221-03 3/28/2000 0 - 1 ft.	SB-H8-9221-04 3/28/2000 0 - 1.25 ft.	SB-I5-2-01 7/19/2000 0 - 2 ft.	SB-I5-3-06 4/14/2000 0 - 0.75 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.61 UJ	0.66 UJ	0.59 UJ	0.58 UJ	0.65 UJ	0.7 UJ	**31.2 J**	5060 J
ARSENIC	MG/KG	NA	20	20	1.8	10.9	1.9	1.6	5.5 J	5.3 J	**39.1**	1060
BERYLLIUM	MG/KG	NA	2	2	0.54	0.78	0.76	0.78	0.67	0.73	0.522 J	0.18
CADMIUM	MG/KG	NA	39	100	0.6	0.45	0.52	0.38	1.5	2.2	1.38 J	1.1
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.3	10.2	10.3	10.4	23.2 J	38.2 *	54.2	10.9
COPPER	MG/KG	NA	600	600	12.1	10.3	9.3	9.2	134 N	261 J	**6650**	1540
LEAD	MG/KG	NA	400	600	8.3 J	153 J	4.2 J	7.5 J	119	179	**15200**	144000 J
MERCURY	MG/KG	NA	14	270	0.02 B	0.1	0.03 U	0.04	0.15	0.07	0.531	7.8
NICKEL	MG/KG	NA	250	2400	6.2	5.2	5.3	5.8	16.1	16.4	15.7	9.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.44 B	0.69	0.43 B	0.54	0.85	1.1	5.7 U	0.88
SILVER	MG/KG	NA	110	4100	0.3 U	0.33 U	0.29 U	0.29 U	0.33 U	0.35 U	3.42 U	20.5
THALLIUM	MG/KG	NA	2	2	1 UN	1.1 UN	0.98 UN	0.96 UN	1.6	1.3	11.4 U	2.4 N
ZINC	MG/KG	NA	1500	1500	42.3	48.3	44.6	44	864	961	**2250**	655

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-4-03 4/6/2000 0 - 1 ft.	SB-I5-5-02 4/6/2000 0 - 2 ft.	SB-I5-7-01 7/21/2000 0 - 1 ft.	SB-I5-7-05 4/13/2000 0 - 0.5 ft.	SB-I5-8-01 4/13/2000 0 - 2 ft.	SB-I5-8-02 6/21/2000 0 - 2 ft.	SB-I5-8141-01 4/6/2000 0 - 1 ft.	SB-I5-8141-03 6/21/2000 0 - 1.25 ft.	SB-I5-8168-01 6/21/2000 0 - 1.5 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.59 J	3.3 J	0.298 J	0.65 UJ	0.64 UJ	2.75	0.61 J	0.595 U	0.51 J
ARSENIC	MG/KG	NA	20	20	**22.7**	9.3	5.61	11.5 J	4.6 J	5.5	11.8	**82.3**	5.9
BERYLLIUM	MG/KG	NA	2	2	0.53	0.6	0.341 J	0.4 J	0.6	0.351	0.54	0.458	0.802
CADMIUM	MG/KG	NA	39	100	0.34 B	0.31 U	0.631	0.84	0.38	0.511	0.27 B	0.235 J	0.378
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.3	14.2	7.93	14.5 J	12.1	9.57	13.3	18.3	14.8
COPPER	MG/KG	NA	600	600	34.7 J	23.2 J	15.5	27.7 J	83.6 J	**809**	30.6 J	26	21.9
LEAD	MG/KG	NA	400	600	64.8	**734**	103	89.3 J	127 J	**565**	87.6	68.1	91.5
MERCURY	MG/KG	NA	14	270	0.11 U	0.06 U	0.12	0.19	0.03 B	0.04 J	0.22	0.138 J	0.057 J
NICKEL	MG/KG	NA	250	2400	13.1	8	5.75	9.4 J	8.8	6.74	9	12.3	9.33
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.58 UN	0.52 UN	0.426 U	0.57	0.49 B	0.467 U	0.53 UN	0.496 U	0.564 J
SILVER	MG/KG	NA	110	4100	0.83	0.31 U	0.43	0.34	0.32 U	0.28 U	0.32 U	0.323	0.286 U
THALLIUM	MG/KG	NA	2	2	1.1 B	1.6	0.653 U	1.1 UN	1.1 U	0.935 U	0.97 B	0.839 J	0.952 U
ZINC	MG/KG	NA	1500	1500	328 J	76.7 J	111	151 J	129 J	214	206 J	161	103

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I5-8168-02 4/6/2000 0 - 2 ft.	SB-I5-8169-02 4/6/2000 0 - 1 ft.	SB-I5-8170-02 4/13/2000 0 - 1 ft.	SB-I6-1-04 3/30/2000 0 - 1.5 ft.	SB-I6-11-01 4/13/2000 0 - 0.5 ft.	SB-I6-3-03 6/21/2000 0 - 2 ft.	SB-I6-3-04 3/31/2000 0 - 2 ft.	SB-I6-5-02 3/30/2000 0 - 1 ft.	SB-I6-5-05 3/30/2000 0 - 1 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.48 J	0.69 UJ	1.6 J	0.81 N	6.8 UJ	0.561 U	0.7 U	0.72 UN	0.63 UN
ARSENIC	MG/KG	NA	20	20	7.5	14.4	9.4 J	**198 N**	12.9 J	8.98	5.7	7.8 N	14 N
BERYLLIUM	MG/KG	NA	2	2	0.62	0.51	0.57 J	0.31	0.29 J	0.496	0.7	0.81	0.6
CADMIUM	MG/KG	NA	39	100	0.45	0.2 B	0.8	0.1 B	23.1	0.496	0.36 U	0.36 U	0.32 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.8	11	20.6 J	8.2	247 J	13.5	16.1 J	15.3	15.5
COPPER	MG/KG	NA	600	600	22.6 J	25.5 J	356 J	15.6 N	**857 J**	24.6	18.6	21.1 N	12 N
LEAD	MG/KG	NA	400	600	118	47.6	**736 J**	28.6	**3820 J**	48.7	17 J	39.3	19.9
MERCURY	MG/KG	NA	14	270	0.16	0.17	0.08	0.18 J	**281**	0.396 J	0.88	0.18 J	0.08 J
NICKEL	MG/KG	NA	250	2400	9.6	10.9	9 J	7.9	56.4 J	8.67	8.5 J	9.7	8.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	7.21	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.56 UN	0.57 UN	0.59	0.44 BN	5.7 U	1.26	1	1 N	1 N
SILVER	MG/KG	NA	110	4100	0.21 B	1.5	0.28 U	0.34 U	6.5	0.28 U	0.36 U	0.36 U	0.32 U
THALLIUM	MG/KG	NA	2	2	1.4	0.59 B	0.95 UN	1.1 U	11.4 UN	0.935 U	1.2 U	1.2 U	1.1 U
ZINC	MG/KG	NA	1500	1500	107 J	258 J	288 J	55.6 N	**16200 J**	132	112	88.4 N	43.8 N

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8125-03 4/13/2000 0 - 1.5 ft.	SB-I6-8125-05 4/13/2000 0 - 1 ft.	SB-I6-8125-07 4/13/2000 0 - 1 ft.	SB-I6-8132-02 4/13/2000 0 - 1 ft.	SB-I6-8132-03 4/13/2000 0 - 2 ft.	SB-I6-8171-01 4/7/2000 0 - 2 ft.	SB-I6-8171-04 4/7/2000 0 - 1 ft.	SB-I6-8171-06 4/7/2000 0 - 2 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.65 UJ	0.69 UJ	0.71 UJ	0.68 UJ	0.94 UJ	1.5 UJ	0.76 UJ	0.67 UJ
ARSENIC	MG/KG	NA	20	20	5.1 J	**45.8 J**	3.5 J	**105 J**	**32.5 J**	**83.7 J**	**24.3 J**	7.1 J
BERYLLIUM	MG/KG	NA	2	2	0.55 J	0.06 J	0.51 J	0.5 J	0.68 J	0.85 J	0.64 J	0.61 J
CADMIUM	MG/KG	NA	39	100	0.79	0.52	0.93	0.76	1.8	0.36 B	0.46	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.8 J	30.1 J	15.6 J	24.7 J	37.4 J	21	15.7	12.8
COPPER	MG/KG	NA	600	600	32.9 J	28 J	35.9 J	37.3 J	270 J	23.5	79.9	11.9
LEAD	MG/KG	NA	400	600	167 J	**739 J**	130 J	350 J	**2720 J**	26.5 J	45.2 J	26.3 J
MERCURY	MG/KG	NA	14	270	**307**	4.6	10.8	0.36	2.8	0.65 J	0.43 *	0.08 J
NICKEL	MG/KG	NA	250	2400	7.1 J	3.7 J	12.3 J	9.2 J	13.7 J	7.2	7.5	7.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.57	0.57 U	0.79	0.97	1.4	1.3	0.63 U	0.55 U
SILVER	MG/KG	NA	110	4100	0.32 U	0.34 U	0.35 U	0.34 U	0.48	0.57 B	0.38 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.1 UN	1.1 UN	1.2 UN	1.1 UN	1.6 UN	2.4 U	1.1 B	1.1 U
ZINC	MG/KG	NA	1500	1500	93 J	98.3 J	273 J	121 J	488 J	380 J	550 J	76.6 J

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8171-07 4/7/2000 0 - 1.5 ft.	SB-I6-8171A-02 4/13/2000 0 - 1 ft.	SB-I6-8172-06 4/4/2000 0 - 2 ft.	SB-I6-8173-01 4/6/2000 0 - 0.5 ft.	SB-I6-8175-04 4/4/2000 0 - 1 ft.	SB-I6-8181-01 4/13/2000 0 - 0.5 ft.	SB-I6-8181-02 6/21/2000 0 - 1 ft.	SB-I6-8183-01 4/6/2000 0 - 2 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.67 UJ	0.62 UJ	0.7 UJ	0.73 UJ	1.4 UJ	0.71 UJ	0.561 U	0.71 UJ
ARSENIC	MG/KG	NA	20	20	**52.9 J**	**26.4 J**	**123**	6	7.4	7.1 J	8.96	3.4
BERYLLIUM	MG/KG	NA	2	2	0.69 J	0.72 J	0.56	0.61	0.67	0.59 J	1.07	0.58
CADMIUM	MG/KG	NA	39	100	0.45	1.4	0.05 B	0.37 U	0.63 B	0.89	0.797	0.16 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	44.1	28.6 J	14.2 N	17.6	13.6 N	18.4 J	20.8	12.9
COPPER	MG/KG	NA	600	600	20.3	13.6 J	18.7	9.7 J	7.4	7.2 J	11.6	24.4 J
LEAD	MG/KG	NA	400	600	39.1 J	35 J	26.9	16.3	70.8	16.3 J	26.7	140
MERCURY	MG/KG	NA	14	270	0.32 J	0.09	0.06	0.17	0.12	0.11	0.144 J	**35.9**
NICKEL	MG/KG	NA	250	2400	20.2	13.1 J	7.1 N	9.7	5.4 N	8.4 J	8.78	9.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.66	0.79	0.58 U	0.61 UN	0.76 B	0.66	0.467 U	0.59 UN
SILVER	MG/KG	NA	110	4100	0.34 U	0.35	0.31 J	0.37 U	0.68 UJ	0.35 U	0.356 J	0.35 U
THALLIUM	MG/KG	NA	2	2	1.6	1 UN	0.98 B	1.7	2.3 U	1.2 UJ	0.935 U	0.92 B
ZINC	MG/KG	NA	1500	1500	123 J	221 J	116	77.1 J	302	84.3 J	168	147 J

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Table 5-5E

Analytical Results
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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I6-8183-05 4/6/2000 0 - 2 ft.	SB-I6-8184-02 4/6/2000 0 - 1.5 ft.	SB-I6-8192-01 3/30/2000 0 - 2 ft.	SB-I6-8192-03 3/30/2000 0 - 2 ft.	SB-I6-9-04 4/6/2000 0 - 2 ft.	SB-I6-9-05 4/6/2000 0 - 2 ft.	SB-I6-9215-01 3/31/2000 0 - 2 ft.	SB-I6-E4-01 7/14/2000 0 - 1 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.68 UJ	0.64 J	0.74 UN	0.68 UN	0.71 UJ	0.64 UJ	0.42 UJ	0.64 U
ARSENIC	MG/KG	NA	20	20	3.5	3.9	19.3 N	**29.9 N**	**20.7**	4.3	13.3	4.08
BERYLLIUM	MG/KG	NA	2	2	0.59	0.54	0.39	0.51	0.6 J	0.43	0.71	0.53
CADMIUM	MG/KG	NA	39	100	0.83	1	0.48	1.6	0.35 UJ	0.32 U	0.35 U	0.314 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.9	14.3	8.8	16.8	21.4 N	8.6	23.9 J	12.2
COPPER	MG/KG	NA	600	600	56.9 J	23.5 J	23.6 N	56.8 N	19.1	9.6 J	26.6	16.3
LEAD	MG/KG	NA	400	600	127	**1860**	63.6	**717**	29.2 J	12.2	210 J	10.3
MERCURY	MG/KG	NA	14	270	4.5	2.6	0.24 J	0.78 J	0.21	0.14	0.42	0.031 J
NICKEL	MG/KG	NA	250	2400	9.8	10.7	9.2	10.9	13.3	5.8	10.9 J	6.59
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.57 UN	0.59 BN	0.76 N	1.3 N	0.77 N	0.53 UN	0.73	1.12
SILVER	MG/KG	NA	110	4100	0.34 U	0.38 U	0.37 U	0.34 U	0.35 U	0.32 U	0.35 U	0.32 U
THALLIUM	MG/KG	NA	2	2	1.3	1.3 U	1.2 U	1.1 U	1.2 U	1.3	1.2 U	1.07 U
ZINC	MG/KG	NA	1500	1500	336 J	118 J	192 N	310 N	88.2	51.6 J	163	56.2

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	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-8-03 3/30/2000 0 - 2 ft.	SB-J5-4-01 7/7/2000 0 - 1 ft.	SB-J5-4-02 4/11/2000 0 - 1.5 ft.	SB-J5-5-04 4/11/2000 0 - 1.5 ft.	SB-J6-1-01 7/7/2000 0 - 1.5 ft.	SB-J6-1-04 4/13/2000 0 - 2 ft.	SB-J6-2-03 4/13/2000 0 - 2 ft.	SB-J6-2245-03 7/7/2000 0 - 1 ft.	SB-J6-2245-05 4/13/2000 0 - 2 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.48 UJ	0.577 UJ	0.72 UN	0.63 UN	0.577 UJ	0.67 UJ	0.64 UJ	0.571 UJ	0.62 UJ
ARSENIC	MG/KG	NA	20	20	**26.8 J**	6.08	5.9 N	2.2 N	4.51	5.2 J	**21 J**	3.18	3.7 N
BERYLLIUM	MG/KG	NA	2	2	0.63	0.297	0.62 E	0.32 E	0.635	0.6 J	0.59 J	0.553	0.56
CADMIUM	MG/KG	NA	39	100	0.54 J	0.377	0.36 U	0.31 U	0.506	0.58	1.2	0.4	0.57
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.3	10.8	20.3	8.7	14.3	15.6 J	15.7 J	21.8	16.7
COPPER	MG/KG	NA	600	600	30.5	22.5	35.9 N	398 N	13.2	17.5 J	36.2 J	13.9	194 J
LEAD	MG/KG	NA	400	600	136 J	28.6 J	20.9	**7680**	14.4 J	30.1 J	129 J	6.46 J	19.7 J
MERCURY	MG/KG	NA	14	270	0.17 *N	0.086	0.09	**40.2**	0.068	0.07	0.23	0.047	0.04 B
NICKEL	MG/KG	NA	250	2400	6.8	3.97	10.5	7	9.14	8.9 J	11.8 J	8.39	8.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.4	0.455 J	0.6 UN	0.52 UN	0.993	0.83	1.1	0.444 J	0.36 B
SILVER	MG/KG	NA	110	4100	0.36 U	0.288 U	0.36 U	0.31 U	0.288 U	0.34 U	0.32 U	0.286 U	0.31 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.962 U	1 B	1 U	0.962 U	1.1 UN	1.1 UN	0.952 U	1 U
ZINC	MG/KG	NA	1500	1500	321	77.3	89.8	39.8	88.4	107 J	458 J	107	114 N

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NR = Not Reported
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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-3-02 4/13/2000 0 - 1.25 ft.	SB-J6-6-01 4/13/2000 0 - 1 ft.	SB-J6-6-05 4/13/2000 0 - 1 ft.	SB-J6-8133-01 4/11/2000 0 - 2 ft.	SB-J6-8133-04 4/13/2000 0 - 2 ft.	SB-J6-8133-05 4/13/2000 0 - 1.5 ft.	SB-J6-8134-01 4/13/2000 0 - 2 ft.	SB-J6-8134-04 4/13/2000 0 - 1.25 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.75 UJ	0.77 UJ	0.81 UJ	0.67 UJ	0.62 UJ	0.63 UJ	0.65 UJ	0.48 UJ
ARSENIC	MG/KG	NA	20	20	6.2 N	5.3 N	5.7 N	5.2 J	**32.9 J**	16.4 J	4.6 N	4.3 N
BERYLLIUM	MG/KG	NA	2	2	0.57	0.49	0.64	0.62 E	0.57 J	0.56 J	0.71	0.51
CADMIUM	MG/KG	NA	39	100	0.63	0.31 B	0.4 B	0.96	1.4	1.5	1	0.33
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.5	14.1	13.5	16.6	22 J	14.3 J	19.3	15.4
COPPER	MG/KG	NA	600	600	80.6 J	12.8 J	10.4 J	65.6 J	45.5 J	28 J	16.2 J	25.2 J
LEAD	MG/KG	NA	400	600	143 J	34.8 J	35.8 J	**480**	388 J	338 J	17.9 J	219 J
MERCURY	MG/KG	NA	14	270	0.06	0.08	0.1	0.26	1	0.33	0.06	0.04
NICKEL	MG/KG	NA	250	2400	11.7	10	7.2	9.2	9.4 J	8.8 J	11.3	14.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.81	0.96	1.1	0.59 J	0.89	1.2	0.89	0.32 B
SILVER	MG/KG	NA	110	4100	0.37 U	0.38 U	0.41 U	0.34 U	0.31 U	0.31 U	0.32 U	0.24 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.3 U	1.4 U	1.1	1 UN	1 UN	1.1 U	0.8 U
ZINC	MG/KG	NA	1500	1500	883 N	65 N	62 N	581	364 J	226 J	88.8 N	137 N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-8134-05 4/13/2000 0 - 1 ft.	SB-J6-8136-04 4/11/2000 0 - 2 ft.	SB-J6-8136-07 4/11/2000 0 - 2 ft.	SB-J6-8167-02 4/11/2000 0 - 1.5 ft.	SB-J6-9-01 4/11/2000 0 - 2 ft.	SB-J6-915-01 4/11/2000 0 - 1 ft.	SB-J6-9200-01 7/7/2000 0 - 1 ft.	SB-J6-9200-02 4/13/2000 0 - 1 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.72 UJ	0.73 UN	0.7 UN	1.1 N	0.42 BN	0.37 BN	0.588 UJ	0.72 UJ
ARSENIC	MG/KG	NA	20	20	6.6 N	14 N	16.2 N	**96 N**	3.5 N	**55.2 N**	4.76	3.4 J
BERYLLIUM	MG/KG	NA	2	2	0.62	0.44 E	0.76 E	0.44 E	0.31 E	0.39 E	0.842	0.85 J
CADMIUM	MG/KG	NA	39	100	2.3	0.37	0.35 U	0.28 B	0.31 U	0.3 U	1	0.69
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.5	15.7	18.1	15.3	8.4	19.1	14.6	14.7 J
COPPER	MG/KG	NA	600	600	23.6 J	99.1 N	83.7 N	69.4 N	**727 N**	10.4 N	15.8	11.9 J
LEAD	MG/KG	NA	400	600	39.2 J	**467**	218	**414**	**1710**	21.6	59.4 J	56.4 J
MERCURY	MG/KG	NA	14	270	0.06	4.2	4	0.4	**36.9**	0.08	0.352	0.1
NICKEL	MG/KG	NA	250	2400	12.5	9.9	13.3	12.3	5.3	4.1	9.88	9.4 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.66	0.73 N	0.58 UN	0.55 UN	1.6 N	0.5 UN	1.7	0.79
SILVER	MG/KG	NA	110	4100	0.36 U	0.37 U	0.35 U	0.33 U	0.31 U	0.3 U	0.294 U	0.36 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	**2.1**	1.3	0.83 B	0.61 B	0.98 U	1.2 UN
ZINC	MG/KG	NA	1500	1500	876 N	129	116	250	92.6	70.1	106	78.4 J

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J6-941A-01 4/11/2000 0 - 2 ft.	SB-J6-942A-04 4/13/2000 0 - 2 ft.	SB-J7-3-03 4/18/2000 0 - 0.5 ft.	SB-K5-4-01 4/18/2000 0 - 0.5 ft.	SB-K5-4-02 7/7/2000 0 - 1.25 ft.	SB-K6-1-01 7/13/2000 0 - 1 ft.	SB-K6-1-02 9/27/2000 0 - 1.25 ft.	SB-K6-2-02 7/7/2000 0 - 1.5 ft.	SB-K6-2-03 4/11/2000 0 - 1 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.33 BN	0.73 UJ	1.5 J	0.63 UJ	0.677 UJ	0.633 U	0.796 U	0.682 UJ	0.92 BN
ARSENIC	MG/KG	NA	20	20	7.8 N	4 N	13 *	4.7	4.16	3.66 J	6.58	5.86	4.9 N
BERYLLIUM	MG/KG	NA	2	2	0.52 E	0.36	1.5	0.7	0.505	0.577	0.852 J	0.641	0.32 E
CADMIUM	MG/KG	NA	39	100	0.36 U	0.46	1.1	0.63	0.594	0.203 J	0.079 B	0.748	0.88
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	23	16.8	20.4 *	18	15	14.1	14.2	16.9	9.1
COPPER	MG/KG	NA	600	600	15.9 N	15.2 J	143 J	21.6	12.3	24	38.4	20.3	19.7 N
LEAD	MG/KG	NA	400	600	29.8	50.5 J	**880 J**	17.9	28.9	24.6	64.2 J	45.9	131
MERCURY	MG/KG	NA	14	270	0.15	0.16	0.43 N	0.22 N	0.124 J	0.159 J	1.49	0.167 J	0.92
NICKEL	MG/KG	NA	250	2400	7.4	11.2	10.1 *	11.3	8.33 J	9.84	12.2	9.93 J	9.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.61 UN	0.75	2 N	0.86	1.15	0.904	0.597 U	0.839	2.6 N
SILVER	MG/KG	NA	110	4100	0.36 U	0.36 U	0.41 U	0.32 U	0.338 U	0.316 U	0.266 B	0.341 U	0.65 B
THALLIUM	MG/KG	NA	2	2	1 B	1.2 U	1.4 U	1.1 UN	1.13 U	1.06 UJ	1.19 U	1.14 U	2.7 U
ZINC	MG/KG	NA	1500	1500	98.1	119 N	205 J	91.7	78	82.3	79.5	72.9	95.7

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K6-529-01 7/7/2000 0 - 1.5 ft.	SB-K6-529-02 4/14/2000 0 - 1.5 ft.	SB-K6-9214-03 4/11/2000 0 - 1 ft.	SB-K6-9217-01 4/11/2000 0 - 2 ft.	SB-K7-8651-02 4/14/2000 0 - 2 ft.	SB-L4-4-02 4/14/2000 0 - 1 ft.	SB-L5-1-01 7/14/2000 0 - 1.5 ft.	SB-L5-10-04 4/6/2000 0 - 1.5 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.658 J	0.63 UJ	1 N	0.66 UN	0.69 UJ	0.88 J	0.664 U	0.36 J
ARSENIC	MG/KG	NA	20	20	3.71	7.3	**114 N**	7.1 N	4.7	10.2	6.97	1.9
BERYLLIUM	MG/KG	NA	2	2	0.379	0.86	0.58 E	0.5 E	0.84	1.2	0.6	0.59
CADMIUM	MG/KG	NA	39	100	0.577	1.3	4.1	0.54	0.47	1.2	0.249 J	1.4
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.7	19.5	22.8	15.6	15.5	24.4	17.7	14.2
COPPER	MG/KG	NA	600	600	87	27.6	87 N	17.4 N	11.3	**725**	259	24.4 J
LEAD	MG/KG	NA	400	600	321	347 J	**5220**	231	27.2 J	**1460 J**	**809**	77
MERCURY	MG/KG	NA	14	270	1.41 J	0.19	0.47	0.1	0.09	0.33	0.87	0.04 U
NICKEL	MG/KG	NA	250	2400	8.29 J	12	14.1	8.3	9	18.6	10.5	6.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	6.63
SELENIUM	MG/KG	NA	63	3100	1.12	1	2.1 N	0.39 BN	0.97	1.5	1.02	0.57 UN
SILVER	MG/KG	NA	110	4100	0.329 U	0.32 U	0.76	0.33 U	0.34 U	1.1	0.332 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 UN	1.6	1.1 U	1.1 UN	1.3 UN	1.11 U	0.57 B
ZINC	MG/KG	NA	1500	1500	62.3	209	498	214	72.2	404	162	1000 J

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-10-05 4/6/2000 0 - 2 ft.	SB-L5-10-06 4/6/2000 0 - 2 ft.	SB-L5-2275-01 4/6/2000 0 - 2 ft.	SB-L5-2313-12 4/7/2000 0 - 2 ft.	SB-L5-2313-17 4/7/2000 0 - 2 ft.	SB-L5-4-02 4/6/2000 0 - 1 ft.	SB-L5-539-03 4/14/2000 0 - 1.5 ft.	SB-L5-6-02 4/11/2000 0 - 1 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	**1750 J**	1.2 J	**31.9 J**	0.52 J	0.43 J	1.4 UJ	0.75 UJ	0.67 UN
ARSENIC	MG/KG	NA	20	20	**457**	4.1	**24.6**	7 J	5.8 J	3.8	5.2	2.5 N
BERYLLIUM	MG/KG	NA	2	2	10 U	0.18	0.52	0.49 J	0.51 J	0.33	0.66	0.3 E
CADMIUM	MG/KG	NA	39	100	30.1 U	0.8	0.54	7.4	5.1	0.69 U	0.67	0.26 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	32 B	11.1	19.7	11.9	14.1	7.8	15.9	8.9
COPPER	MG/KG	NA	600	600	259 J	38.1 J	216 J	22.4	18.6	**4090 J**	80.4	**983 N**
LEAD	MG/KG	NA	400	600	**56600**	369	**78700**	156 J	164 J	**1590**	**698 J**	**2260**
MERCURY	MG/KG	NA	14	270	0.08 U	0.13	0.2	0.15 J	0.11 J	3.5	10.6	3.5
NICKEL	MG/KG	NA	250	2400	25.3 B	3.9	18.9	7.9	8.1	4.6	10.8	5.5
pH	PH	NA	NA	NA	6.06	4.8	NR	NR	NR	NR	NR	5.85
SELENIUM	MG/KG	NA	63	3100	50.2 UN	0.68 UN	0.6 UN	0.94	0.78 B	2.7 J	0.64	2.7 N
SILVER	MG/KG	NA	110	4100	30.1 U	0.41 U	7.8	0.36 B	0.51	0.49 B	0.38 U	0.33 U
THALLIUM	MG/KG	NA	2	2	100 U	1.4 U	**4**	1.6 U	1.6 U	2.3 U	1.3 UJ	1.1 U
ZINC	MG/KG	NA	1500	1500	**1760 J**	361 J	668 J	929 J	826 J	165 J	138	173

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L5-6-05 4/11/2000 0 - 2 ft.	SB-L5-6-10 4/11/2000 0 - 1.5 ft.	SB-L5-7-01 4/14/2000 0 - 1.5 ft.	SB-L5-8-05 4/18/2000 0 - 2 ft.	SB-L5-8318-02 4/11/2000 0 - 2 ft.	SB-L5-9546-03 4/14/2000 0 - 1 ft.	SB-L6-1-01 4/7/2000 0 - 1.5 ft.	SB-L6-1-02 4/7/2000 0 - 2 ft.	SB-L6-1-07 4/7/2000 0 - 2 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.57 UN	0.69 UN	0.7 UJ	0.73 UJ	0.71 UN	0.7 UJ	0.49 J	0.42 J	6.5 J
ARSENIC	MG/KG	NA	20	20	2.2 N	2.5 N	3.2	4.7	5.2 N	5.7	**57.3 J**	14.5 J	**35.9 J**
BERYLLIUM	MG/KG	NA	2	2	0.26 E	0.38 E	0.52	0.81	0.73 E	0.56	0.36 J	0.17 J	0.32 J
CADMIUM	MG/KG	NA	39	100	0.16 UJ	0.19 UJ	0.48	0.56	0.44	0.65	0.36 U	0.37 U	3.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.2	12.1	15	14.2	17.4	105	11.4	11.1	88.9
COPPER	MG/KG	NA	600	600	**1000 N**	527 N	274	427	211 N	65.2	34.5	262	82.2
LEAD	MG/KG	NA	400	600	**2630**	**1490**	**518 J**	**1710**	**625**	**808 J**	156 J	74.9 J	54.9 J
MERCURY	MG/KG	NA	14	270	6.2	3.1	0.59	8.8 N	1.1	0.14	0.26 J	4.8 J	**20.4 J**
NICKEL	MG/KG	NA	250	2400	3.9	5	9.1	8.5	9.8	10.2	8.1	8.4	42.2
pH	PH	NA	NA	NA	4.88	4.69	NR	NR	NR	NR	6.38	5.42	4.5
SELENIUM	MG/KG	NA	63	3100	0.88 N	1.4 N	0.81	0.89	1.4 N	1.1	0.5 B	4.1	4.1 B
SILVER	MG/KG	NA	110	4100	0.28 U	0.35 U	0.35 U	0.37 U	0.35 U	0.67	0.36 U	0.37 U	3.3 U
THALLIUM	MG/KG	NA	2	2	0.94 U	1.2 U	1.2 UN	1.2 UN	1.2 U	1.2 UN	1.2 U	1.2 U	**9.3 B**
ZINC	MG/KG	NA	1500	1500	42	70.3	120	101	147	169	97.4 J	88.6 J	48.9 J

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-3-01 7/7/2000 0 - 2 ft.	SB-L6-3-02 4/13/2000 0 - 1 ft.	SB-L6-370-03 7/7/2000 0 - 1.5 ft.	SB-L6-370-05 4/13/2000 0 - 1.5 ft.	SB-L6-371-01 4/11/2000 0 - 1 ft.	SB-L6-371-02 7/7/2000 0 - 2 ft.	SB-L6-4-02 4/18/2000 0 - 1 ft.	SB-L6-4-03 7/7/2000 0 - 1.5 ft.
Metals												
ANTIMONY	MG/KG	NA	14	340	0.583 UJ	0.71 UJ	0.556 UJ	0.49 UJ	0.66 UN	0.577 UJ	0.63 UJ	0.644 UJ
ARSENIC	MG/KG	NA	20	20	3.65	3.8 N	3.9	3.3 N	4.5 N	2.83	6.7	4.32
BERYLLIUM	MG/KG	NA	2	2	0.568	0.48	0.632	0.49	0.65 E	0.542	0.56	0.548
CADMIUM	MG/KG	NA	39	100	0.418	0.22 U	1.16	0.28	0.27 B	0.372	0.5	0.681
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.5	9.7	12.9	12.9	16.5	11.2	15.5	15
COPPER	MG/KG	NA	600	600	14.2	14 J	94.6	14.1 J	16.3 N	12.6	37.7	37.2
LEAD	MG/KG	NA	400	600	75.8 J	39.2 J	**450 J**	15 J	35.4	7.83 J	142	125
MERCURY	MG/KG	NA	14	270	0.118	0.14	1.49	0.05	0.05	0.042	0.35 U	0.286 J
NICKEL	MG/KG	NA	250	2400	7.08	6.1	8.94	8.1	10.8	6.89	9.9	12.1 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.957	0.42 B	1.1	0.64	0.51 BN	0.765	0.87	0.629
SILVER	MG/KG	NA	110	4100	0.291 U	0.35 U	0.204 J	0.24 U	0.33 U	0.288 U	0.31 U	0.322 U
THALLIUM	MG/KG	NA	2	2	0.971 U	1.2 U	0.926 U	0.81 U	1.1 U	0.962 U	1 UJ	1.07 U
ZINC	MG/KG	NA	1500	1500	60.5	50.7 N	400	60.3 N	82.2	43.7	75.8	98.2

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Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-5-01 4/18/2000 0 - 1.5 ft.	SB-L6-5-02 7/7/2000 0 - 1.25 ft.	SB-L6-9-01 4/11/2000 0 - 1 ft.	SB-M4-1-02 4/6/2000 0 - 2 ft.	SB-M4-1-05 4/6/2000 0 - 1.5 ft.	SB-M4-1-09 4/6/2000 0 - 1.5 ft.	SB-M4-1-11 4/6/2000 0 - 2 ft.	SB-M4-1-13 4/6/2000 0 - 2 ft.	SB-M5-11-02 4/7/2000 0 - 1 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.67 UJ	0.651 UJ	4 UN	0.84 J	0.69 UJ	0.63 UJ	0.72 UJ	3.8 J	0.72 UJ
ARSENIC	MG/KG	NA	20	20	4.8 *	3.1	5 N	3.1	4.1	4.6	6.7	18.6	3.5 J
BERYLLIUM	MG/KG	NA	2	2	0.8	0.791	0.61 BE	0.49 J	0.57 J	0.51 J	0.67 J	0.48 J	0.48 J
CADMIUM	MG/KG	NA	39	100	0.15 B	0.522	2 U	0.34 UJ	0.34 UJ	0.32 UJ	0.36 UJ	1.9 J	0.36 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.8 *	13	10.2	9.6 N	19.2 N	15.5 N	18 N	41.8 N	14.6
COPPER	MG/KG	NA	600	600	22.4 J	11.4	**9480 N**	11.2	15.7	28.6	34.2	232	27.9
LEAD	MG/KG	NA	400	600	46.9 J	9.27	**2850**	233 J	23.8 J	40 J	62.6 J	**829 J**	20.2 J
MERCURY	MG/KG	NA	14	270	0.15 J	0.051 J	6.6	0.03 U	0.04 U	0.04	0.07	0.35	0.03 J
NICKEL	MG/KG	NA	250	2400	12.5 *	8.86 J	6.2	6.5	12.2	8	8.3	15.7	10.9
SELENIUM	MG/KG	NA	63	3100	0.48 BN	0.909	2.5 BN	0.54 BN	0.64 N	0.78 N	1.1 N	1 BN	0.6 U
SILVER	MG/KG	NA	110	4100	0.33 U	0.326 U	2 U	0.34 U	0.34 U	0.32 U	0.36 U	6.1	0.36 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.09 U	6.6 U	1.1 U	1.1 U	1.1 U	1.2 U	2.4 U	1.2 U
ZINC	MG/KG	NA	1500	1500	110 J	73.3	70.9	103	95	82.8	151	**3530**	73.3 J

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-12-03 4/7/2000 0 - 1 ft.	SB-M5-13-03 4/6/2000 0 - 1.5 ft.	SB-M5-14-04 4/7/2000 0 - 1 ft.	SB-M5-15-01 4/7/2000 0 - 1 ft.	SB-M5-3-02 4/6/2000 0 - 1 ft.	SB-M5-3-04 4/6/2000 0 - 1 ft.	SB-M5-3-07 4/6/2000 0 - 2 ft.	SB-M5-3-11 4/6/2000 0 - 1 ft.	SB-M5-3-17 4/6/2000 0 - 0.75 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.71 UJ	0.8 J	0.67 UJ	0.71 UJ	3.2 J	1.3 J	**14.5 J**	9.4 J	4.2 J
ARSENIC	MG/KG	NA	20	20	6.5 J	5.4 J	6.3 J	5.9 J	**103**	6.9	**108**	**25.8**	**22.3**
BERYLLIUM	MG/KG	NA	2	2	0.64 J	0.78	0.63 J	1.1 J	0.35 J	0.3 J	0.54 J	0.29 J	0.92 J
CADMIUM	MG/KG	NA	39	100	0.41	0.31 J	0.18 B	0.35 U	1.4 J	1.6 J	7.6 J	4.6 J	3.1 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.9	11.3	14.5	21.4	61.4 N	24.2 N	154 N	92.1 N	51.5 N
COPPER	MG/KG	NA	600	600	20.3	16.5	15.2	15.3	**7050**	94.1	**9670**	**1370**	**1100**
LEAD	MG/KG	NA	400	600	288 J	147 J	38.4 J	48.3 J	**742 J**	285 J	**8410 J**	**6090 J**	**3030 J**
MERCURY	MG/KG	NA	14	270	0.1 J	0.07 U	0.03 J	0.1 J	0.53	2 J	1.1	2.1	4.2 J
NICKEL	MG/KG	NA	250	2400	10.5	9.2	9.3	12.8	10.4	11.8	98.8	42.2	**323**
SELENIUM	MG/KG	NA	63	3100	0.69	0.75	0.44 B	0.62	2.9 UN	0.67 N	8 UN	3.4 UN	1.8 N
SILVER	MG/KG	NA	110	4100	0.35 U	0.38 U	0.33 U	0.35 U	1.7 U	0.65	8.5	4.6	7.9
THALLIUM	MG/KG	NA	2	2	0.66 B	1.3 U	1.1 U	1.2 U	5.7 U	1.1 U	16.1 U	6.7 U	2.4 U
ZINC	MG/KG	NA	1500	1500	78.1 J	65.2	101 J	113 J	863	**1920**	**22100**	**5740**	**3020**

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-3-19 4/6/2000 0 - 0.75 ft.	SB-M5-8166-01 4/7/2000 0 - 1 ft.	SB-M5-8166-03 7/7/2000 0 - 1 ft.	SB-M5-8166A-B-C-01 7/7/2000 0 - 1.25 ft.	SB-M5-8166A-B-C-03 4/7/2000 0 - 1 ft.	SB-M5-8166D-04 4/7/2000 0 - 1 ft.
Metals										
ANTIMONY	MG/KG	NA	14	340	13.8 J	0.57 J	0.566 UJ	0.55 U	0.67 UJ	0.66 UJ
ARSENIC	MG/KG	NA	20	20	**74**	9.8 J	4.96	3.84	2.7 J	1.7 J
BERYLLIUM	MG/KG	NA	2	2	0.39 J	0.59 J	0.552	0.622	0.31 J	0.3 J
CADMIUM	MG/KG	NA	39	100	9 J	0.34 U	0.575	0.502	0.33 U	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	119 N	23.1	12.3	16.9	7.5	7.7
COPPER	MG/KG	NA	600	600	**2420**	22.8	41.6	10.6	18.5	10.1
LEAD	MG/KG	NA	400	600	**4180 J**	22.7 J	13.8 J	6.94	6.3 J	3.8 J
MERCURY	MG/KG	NA	14	270	2.5 J	0.03 J	0.035	0.041	0.03 J	0.03 UJ
NICKEL	MG/KG	NA	250	2400	71.6	12	8.25	10.9	5.3	5
SELENIUM	MG/KG	NA	63	3100	3.4 UN	0.46 B	1	0.922	0.55 U	0.55 U
SILVER	MG/KG	NA	110	4100	9	0.34 U	0.283 U	0.275 U	0.33 U	0.33 U
THALLIUM	MG/KG	NA	2	2	6.7 U	1 B	0.943 U	0.917 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	**9100**	185 J	87	65.3	40.4 J	41.7 J

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M5-8166E-01 4/7/2000 0 - 2 ft.	SB-M5-8166E-02 7/7/2000 0 - 2 ft.	SB-N4-2-01 7/7/2000 0 - 2 ft.	SB-N4-2-02 4/6/2000 0 - 2 ft.	SB-N4-3-02 4/6/2000 0 - 0.5 ft.	SB-N4-3-03 7/7/2000 0 - 0.75 ft.	SB-N5-6-14 4/6/2000 0 - 0.5 ft.	SB-N5-8-01 4/6/2000 0 - 1 ft.	SB-N5-8-03 4/6/2000 0 - 1 ft.
Metals													
ANTIMONY	MG/KG	NA	14	340	0.66 UJ	0.55 UJ	0.321 J	0.62 UJ	0.64 UJ	1.15 J	0.86 J	0.63 UJ	0.75 UJ
ARSENIC	MG/KG	NA	20	20	3.2 J	1.9	3.61	5.2	4.3	4.13	**25.1**	2	2.8 J
BERYLLIUM	MG/KG	NA	2	2	0.44 J	0.336	0.459 J	0.23 J	0.59 J	0.567	0.34 J	0.24 J	0.58
CADMIUM	MG/KG	NA	39	100	0.13 B	0.632	0.631	0.31 UJ	0.11 J	**140**	0.58 J	0.52 J	0.97 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.2	6.42	8.45	3.7 N	13.3 N	14.4	16 N	8.1 J	19.2
COPPER	MG/KG	NA	600	600	31.8	10.5	**4740**	5.9	37.6	**2210**	84	10.6	20.9
LEAD	MG/KG	NA	400	600	31 J	16 J	109 J	1.9 J	10.4 J	30.7 J	191 J	27.5 J	35.4 J
MERCURY	MG/KG	NA	14	270	0.08 J	0.04	0.032	0.03 B	0.03 U	0.214	0.32	0.04	0.09 U
NICKEL	MG/KG	NA	250	2400	9.3	5.84	10.1	1.4	9.2	10.1	7.6	4.6	13.5
SELENIUM	MG/KG	NA	63	3100	0.76	0.735	1.19	0.43 BN	0.8 N	2.99	2.3 N	0.66 J	1.2
SILVER	MG/KG	NA	110	4100	0.33 U	0.275 U	0.357	0.31 U	0.32 U	0.192 J	0.39 U	0.32 U	0.38 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.917 U	0.962 U	1 U	1.1 U	0.917 U	1.3 U	1.1 U	1.3 U
ZINC	MG/KG	NA	1500	1500	69.3 J	37.2	510	11.5	95	309	101	41.2	100

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Table 5-5E

Analytical Results
Development Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-8-05 4/6/2000 0 - 1 ft.	TP-G6-906-01 8/17/2000 0 - 2 ft.	TP-G6-906-02 8/17/2000 0 - 2 ft.	TP-G7-2347-02 8/17/2000 0 - 2 ft.	TP-G7-2347-03 8/17/2000 0 - 2 ft.	TP-H5-8181-01 8/17/2000 0 - 2 ft.	TP-H5-8181-03 8/17/2000 0 - 2 ft.
Metals											
ANTIMONY	MG/KG	NA	14	340	0.65 UJ	0.007 U	0.007 U	0.007 J	0.008 U	0.007 U	0.007 U
ARSENIC	MG/KG	NA	20	20	2.2 J	5.91	4.03	**173**	8.04	5.38	5.05
BERYLLIUM	MG/KG	NA	2	2	0.67	0.436	0.675	0.617	0.445	0.998	0.575
CADMIUM	MG/KG	NA	39	100	0.13 J	0.212 J	0.003 U	0.003 U	0.128 J	0.117 J	0.177 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13	18.4	18.9	20.7	20.7	12.5	14.3
COPPER	MG/KG	NA	600	600	17.8	18.1	11.1	39	17.1	28.5	21.4
LEAD	MG/KG	NA	400	600	7.2 J	54.2 J	9.43 J	117 J	70.6 J	50.9 J	114 J
MERCURY	MG/KG	NA	14	270	0.03 UJ	0.56	0.061	1.9	3.68 J	0.179	0.219
NICKEL	MG/KG	NA	250	2400	12.1	11.3	9.63	14	9.89	9.57	10.8
SELENIUM	MG/KG	NA	63	3100	0.54 U	0.625 J	1.18 J	0.006 J	0.006 J	0.906 J	0.006 J
SILVER	MG/KG	NA	110	4100	0.32 U	0.003 U	0.003 U	0.003 U	0.004 U	0.003 U	0.003 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.45	0.011 U	0.012	0.851 J	1.37	1.04 J
ZINC	MG/KG	NA	1500	1500	87.7	101	58.5	52.6	119	72.2	99.2

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Table 5-6A

Analytical Results
Diazo Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2181-01 6/2/2000 0 - 1 ft.	SB-H8-2181-05 6/2/2000 0 - 1.5 ft.	SB-H8-69F-01 6/2/2000 0 - 1 ft.	SB-H8-69F-02 9/12/2000 0 - 1 ft.	SB-H8-9121-02 6/2/2000 0 - 1.5 ft.	SB-H8-9121-04 9/12/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	368 U	437 U	359 U	358 UJ	368 U	358 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	368 U	437 U	359 U	358 UJ	368 U	358 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	368 U	437 U	359 U	358 U	368 U	358 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	368 U	437 U	359 U	358 U	368 U	358 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	735 U	873 U	717 U	717 U	737 U	717 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	368 U	437 U	359 U	358 U	368 U	358 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	368 U	437 U	359 U	358 UJ	368 U	358 U
2-NITROPHENOL	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	735 U	873 U	717 U	717 UJ	737 U	717 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	735 U	873 U	717 U	717 U	737 U	717 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
4-NITROPHENOL	UG/KG	NA	NA	NA	735 U	873 U	717 U	717 UJ	737 U	717 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	368 U	437 U	359 U	358 UJ	368 U	358 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	368 U	437 U	53.1 J	358 U	368 U	358 U
ANTHRACENE	UG/KG	100000	10000000	10000000	368 U	437 U	50.6 J	358 U	54.2 J	358 U
BENZIDINE	UG/KG	NA	NA	NA	368 UJ	437 UJ	359 UJ	358 U	368 UJ	358 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	34.6 J	437 U	318 J	39.4 J	228 J	55.5 J
BENZO(a)PYRENE	UG/KG	100000	660	660	368 U	437 U	291 J	36.6 J	160 J	46.6 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	368 U	437 U	403	358 U	295 J	86.7 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	368 U	437 U	198 J	358 U	81.8 J	358 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	368 U	437 U	134 J	358 U	95.8 J	358 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	368 U	437 U	359 U	358 U	368 U	358 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	368 U	437 U	359 U	358 U	368 U	57.3 U
CHRYSENE	UG/KG	500000	9000	40000	368 U	437 U	311 J	58.4 J	221 J	91 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	368 U	437 U	359 U	358 U	368 U	358 U

Table 5-6A

Analytical Results
Diazo Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2181-01 6/2/2000 0 - 1 ft.	SB-H8-2181-05 6/2/2000 0 - 1.5 ft.	SB-H8-69F-01 6/2/2000 0 - 1 ft.	SB-H8-69F-02 9/12/2000 0 - 1 ft.	SB-H8-9121-02 6/2/2000 0 - 1.5 ft.	SB-H8-9121-04 9/12/2000 0 - 1 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	368 U	437 U	550	114 J	349 J	117 J
FLUORENE	UG/KG	100000	2300000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	368 U	437 U	359 U	358 U	368 U	358 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	368 U	437 U	359 U	358 U	368 U	358 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	368 U	437 U	359 U	358 UJ	368 U	358 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	368 U	437 U	359 U	358 U	368 U	358 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	368 U	437 U	169 J	358 U	91.4 J	358 U
ISOPHORONE	UG/KG	50000	1100000	10000000	368 U	437 U	359 U	358 U	368 U	358 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	368 U	437 U	359 U	358 UJ	368 U	358 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	368 U	437 U	359 U	358 U	368 U	358 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	368 U	437 U	359 U	358 U	368 U	358 U
NAPHTHALENE	UG/KG	100000	230000	4200000	368 U	437 U	359 U	358 U	368 U	358 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	735 U	873 U	717 U	717 U	737 U	717 U
PHENANTHRENE	UG/KG	NA	NA	NA	368 U	437 U	290 J	72.4 J	203 J	51.6 J
PHENOL	UG/KG	50000	10000000	10000000	4760 U	4900 U	359 U	358 U	368 U	358 U
PYRENE	UG/KG	100000	1700000	10000000	368 U	437 U	651	93.2 J	249 J	116 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-6A

Analytical Results
Diazo Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9328-05 6/2/2000 0 - 1.5 ft.	SB-H8-9328-06 6/2/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	NR	NR
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	NR
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	NR
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NR	NR
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	NR
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	NR
BENZIDINE	UG/KG	NA	NA	NA	NR	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	NR
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	NR
CHRYSENE	UG/KG	500000	9000	40000	NR	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	NR
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	NR
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	NR

Table 5-6A

Analytical Results
Diazo Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9328-05 6/2/2000 0 - 1.5 ft.	SB-H8-9328-06 6/2/2000 0 - 1.5 ft.
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	NR
FLUORENE	UG/KG	100000	2300000	10000000	NR	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	NR	NR
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	NR
PHENANTHRENE	UG/KG	NA	NA	NA	NR	NR
PHENOL	UG/KG	50000	10000000	10000000	4950 U	5000 U
PYRENE	UG/KG	100000	1700000	10000000	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-6B

Analytical Results
Diazo Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2181-01 6/2/2000 0 - 1 ft.	SB-H8-2181-05 6/2/2000 0 - 1.5 ft.	SB-H8-69F-01 6/2/2000 0 - 1 ft.	SB-H8-69F-02 9/12/2000 0 - 1 ft.	SB-H8-9121-02 6/2/2000 0 - 1.5 ft.	SB-H8-9121-04 9/12/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	238 U	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	238 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	238 U	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	238 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	238 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	476 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	238 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	250 U	238 U	NR	NR	NR	NR
DIAZODINITROPHENOL	UG/KG	NA	NA	NA	500 UJ	476 U	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	476 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	238 U	359 U	358 U	368 U	358 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	476 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	476 U	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-6B

Analytical Results
Diazo Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9328-05 6/2/2000 0 - 1.5 ft.	SB-H8-9328-06 6/2/2000 0 - 1.5 ft.
Energetics & Explosives						
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	250 U	250 U
DIAZODINITROPHENOL	UG/KG	NA	NA	NA	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-6C

Analytical Results
Diazo Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2181-01 6/2/2000 0 - 1 ft.	SB-H8-2181-05 6/2/2000 0 - 1.5 ft.	SB-H8-69F-01 6/2/2000 0 - 1 ft.	SB-H8-69F-02 9/12/2000 0 - 1 ft.	SB-H8-9121-02 6/2/2000 0 - 1.5 ft.	SB-H8-9121-04 9/12/2000 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.642 U	0.75 U	0.633 U	0.621 U	0.62 U	0.387 B
ARSENIC	MG/KG	NA	20	20	6.91	6.98	3.89	4.48	5.12	5.42
BERYLLIUM	MG/KG	NA	2	2	0.637	0.544	0.542	0.478	0.579	0.539
CADMIUM	MG/KG	NA	39	100	0.456	0.328 J	0.157 J	0.492 U	0.199 J	0.277 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20	17.1	12.3	11.3	13.5	14.2
COPPER	MG/KG	NA	600	600	32.1	53	35.4	37 H	27.7	34.6
LEAD	MG/KG	NA	400	600	194	49.2	45.2	72.2 H	343	163
MERCURY	MG/KG	NA	14	270	1.68	0.217	0.103	0.064	2.33	7.25
NICKEL	MG/KG	NA	250	2400	11	26.8	8.66	7.68	7.99	8.79
pH	PH	NA	NA	NA	NR	NR	NR	NR	5.54	5.87
SELENIUM	MG/KG	NA	63	3100	0.776	1.95	0.63	1.21	0.733	0.403 B
SILVER	MG/KG	NA	110	4100	0.076 J	0.375 U	0.316 U	0.31 U	0.31 U	0.245 B
THALLIUM	MG/KG	NA	2	2	1.15	1.25 U	0.91 J	1.03 U	0.755 J	1.06 U
ZINC	MG/KG	NA	1500	1500	329	64.9	65.3	94.6 H	102	137

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-6C

Analytical Results
Diazo Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9328-05 6/2/2000 0 - 1.5 ft.	SB-H8-9328-06 6/2/2000 0 - 1.5 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	1.36	1.98
ARSENIC	MG/KG	NA	20	20	10.4	**22.4**
BERYLLIUM	MG/KG	NA	2	2	0.708	0.889
CADMIUM	MG/KG	NA	39	100	0.595	0.982
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	31.8	18.1
COPPER	MG/KG	NA	600	600	94.9	138
LEAD	MG/KG	NA	400	600	**450**	**3520**
MERCURY	MG/KG	NA	14	270	1.19	0.385
NICKEL	MG/KG	NA	250	2400	13.2	17.4
pH	PH	NA	NA	NA	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.42	1.03
SILVER	MG/KG	NA	110	4100	0.228 J	0.218 J
THALLIUM	MG/KG	NA	2	2	**2.29**	1.46
ZINC	MG/KG	NA	1500	1500	437	297

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E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-37B-02 12/10/1999 0.5 - 1.0 ft.	SB-F10-37B-03 6/23/2000 0.5 - 1.0 ft.	SB-F11-2-03 12/10/1999 0.5 - 1.0 ft.	SB-F11-43-02 6/23/2000 0.5 - 1.0 ft.	SB-F11-43-03 12/10/1999 0.5 - 1.0 ft.	SB-F11-8113-02 12/10/1999 1.5 - 2.0 ft.	SB-F11-8227-06 12/15/1999 0 - 10 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	600 UJ	548 U	570 UJ	563 UJ	670 U	650 U	580 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1200 UJ	1096 U	1100 UJ	1126 U	1300 U	1300 U	1200 U
ACROLEIN	UG/KG	NA	NA	NA	2400 UJ	5482 U	2300 UJ	5630 U	2700 UJ	2600 UJ	2300 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	600 UJ	NR	570 UJ	NR	670 U	650 U	580 U
BENZENE	UG/KG	1000	3000	13000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
BROMOFORM	UG/KG	1000	86000	370000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1200 UJ	NR	1100 UJ	NR	1300 U	1300 U	1200 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	600 UJ	548 U	570 UJ	563 UJ	670 UJ	650 UJ	580 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	**4500**
CHLOROETHANE	UG/KG	NA	NA	NA	1200 UJ	1096 U	1100 UJ	1126 U	1300 UJ	1300 UJ	1200 UJ
CHLOROFORM	UG/KG	1000	19000	28000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1200 UJ	1096 U	1100 UJ	1126 U	1300 U	1300 U	1200 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	548 U	NR	563 U	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	600 UJ	NR	570 UJ	NR	670 U	650 U	580 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 UJ	402 J	820 UJ	292 U	1200 U	1100 U	940 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-37B-02 12/10/1999 0.5 - 1.0 ft.	SB-F10-37B-03 6/23/2000 0.5 - 1.0 ft.	SB-F11-2-03 12/10/1999 0.5 - 1.0 ft.	SB-F11-43-02 6/23/2000 0.5 - 1.0 ft.	SB-F11-43-03 12/10/1999 0.5 - 1.0 ft.	SB-F11-8113-02 12/10/1999 1.5 - 2.0 ft.	SB-F11-8227-06 12/15/1999 0 - 10 ft.
TOLUENE	UG/KG	500000	1000000	1000000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	130 J
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	600 UJ	548 U	570 UJ	563 U	670 U	650 U	580 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	600 UJ	548 U	570 UJ	563 UJ	670 U	650 U	580 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1200 UJ	1096 U	1100 UJ	1126 U	1300 U	1300 U	1200 U

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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-172A-01 12/1/1999 0 - 0.5 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-8106-01 12/1/1999 0 - 0.5 ft.	SB-G10-8106-02 12/1/1999 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	590 U	NR	NR	530 U	665 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	590 U	NR	NR	530 U	665 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	590 U	NR	NR	530 U	665 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	590 U	NR	NR	530 U	665 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	590 U	NR	NR	530 U	665 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	590 U	NR	NR	530 U	665 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	590 U	NR	NR	530 U	665 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	1179 U	NR	NR	1059 U	1330 U
ACROLEIN	UG/KG	NA	NA	NA	NR	2359 UJ	NR	NR	2119 UJ	2660 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	590 U	NR	NR	530 U	665 U
BENZENE	UG/KG	1000	3000	13000	NR	590 U	NR	NR	530 U	665 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	590 U	NR	NR	530 U	665 U
BROMOFORM	UG/KG	1000	86000	370000	NR	590 U	NR	NR	530 U	665 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1179 U	NR	NR	123 J	1300 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	590 U	NR	NR	530 U	540 J
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	590 U	NR	NR	530 U	665 U
CHLOROETHANE	UG/KG	NA	NA	NA	NR	1179 U	NR	NR	1059 U	1300 U
CHLOROFORM	UG/KG	1000	19000	28000	NR	590 U	NR	NR	530 U	376 J
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	1179 U	NR	NR	1059 U	1300 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	590 U	NR	NR	530 U	665 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	590 U	NR	NR	530 U	665 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	590 U	NR	NR	530 U	665 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	344 U	3028 U	356 U	338 U	2523 U	3278 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	590 U	NR	NR	530 U	665 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-172A-01 12/1/1999 0 - 0.5 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-8106-01 12/1/1999 0 - 0.5 ft.	SB-G10-8106-02 12/1/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	590 U	NR	NR	530 U	665 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	590 U	NR	NR	530 U	665 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	195 JB	NR	NR	530 U	840 B
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	1179 U	NR	NR	1059 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8159-03 12/15/1999 0 - 0.5 ft.	SB-G10-8159-05 12/15/1999 0 - 0.5 ft.	SB-G10-8159-06 12/15/1999 0 - 0.5 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8503-03 12/17/1999 0 - 0.5 ft.	SB-G10-8682-05 12/2/1999 0 - 2 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	560 U	580 U	580 U	NR	600 U	560 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	560 U	580 U	580 U	NR	600 U	560 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	560 U	580 U	580 U	NR	600 UJ	560 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	560 U	580 U	580 U	NR	600 U	560 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	560 U	580 U	580 U	NR	600 U	560 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	560 U	580 U	580 U	NR	600 U	560 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	560 U	580 U	580 U	NR	600 UJ	560 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1200 U	1200 U	NR	1200 U	1100 U
ACROLEIN	UG/KG	NA	NA	NA	2300 J	2300 UJ	2300 UJ	NR	2400 UJ	2200 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	560 U	580 U	580 U	NR	600 U	560 UJ
BENZENE	UG/KG	1000	3000	13000	560 U	580 U	580 U	NR	600 U	560 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	560 U	580 U	580 U	NR	600 UJ	560 U
BROMOFORM	UG/KG	1000	86000	370000	560 U	580 U	580 U	NR	600 U	560 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1100 U	1200 U	1200 U	NR	1200 UJ	1100 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	560 U	580 U	580 U	NR	600 U	560 U
CHLOROBENZENE	UG/KG	1000	37000	680000	560 U	580 U	580 U	NR	600 U	560 U
CHLOROETHANE	UG/KG	NA	NA	NA	1100 U	1200 U	1200 U	NR	1200 UJ	1100 U
CHLOROFORM	UG/KG	1000	19000	28000	560 U	580 U	580 U	NR	600 U	560 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 U	1200 U	1200 U	NR	1200 U	1100 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	560 U	580 U	580 U	NR	600 UJ	560 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	290 J	580 U	580 U	NR	600 U	560 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	260 J	580 U	580 U	NR	600 UJ	560 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1100 UJ	820 UJ	920 UJ	352 U	1300 U	2800 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	430 J	580 U	580 U	NR	470 J	560 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8159-03 12/15/1999 0 - 0.5 ft.	SB-G10-8159-05 12/15/1999 0 - 0.5 ft.	SB-G10-8159-06 12/15/1999 0 - 0.5 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8503-03 12/17/1999 0 - 0.5 ft.	SB-G10-8682-05 12/2/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	760	580 U	580 U	NR	600 UJ	560 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	560 U	580 U	580 U	NR	600 U	560 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	560 U	580 U	580 U	NR	600 U	400 J
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 U	1200 U	1200 U	NR	1200 UJ	1100 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G11-1-01 7/14/2000 0.5 - 1.0 ft.	SB-G11-1-02 9/27/2000 0.5 - 1.0 ft.	SB-G11-2017B-01 12/15/1999 0 - 0.5 ft.	SB-G11-2017B-07 12/15/1999 0 - 0.5 ft.	SB-G11-2017B-08 12/15/1999 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	563 U	727 U	530 U	520 U	520 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	563 U	727 U	530 U	520 U	520 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	563 U	727 U	530 U	520 U	520 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	563 U	727 U	530 U	520 U	520 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	563 U	727 U	530 U	520 U	520 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	563 U	727 U	530 U	520 U	520 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	563 U	727 U	530 U	520 U	520 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	1126 U	1450 UJ	1100 U	1100 U	1000 U
ACROLEIN	UG/KG	NA	NA	NA	NR	2252 U	2910 UJ	2100 UJ	2100 UJ	2100 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	563 U	727 UJ	530 U	520 U	520 U
BENZENE	UG/KG	1000	3000	13000	NR	563 U	727 U	530 U	520 U	520 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	563 U	727 U	530 U	520 U	520 U
BROMOFORM	UG/KG	1000	86000	370000	NR	563 U	727 U	530 U	520 U	520 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	1450 U	1100 U	1100 U	1000 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	563 U	727 U	530 UJ	520 UJ	520 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	563 U	727 U	530 U	520 U	520 U
CHLOROETHANE	UG/KG	NA	NA	NA	NR	1126 U	1450 U	1100 UJ	1100 UJ	1000 UJ
CHLOROFORM	UG/KG	1000	19000	28000	NR	563 U	727 U	530 U	520 U	520 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	280 J	1450 U	1100 U	1100 U	1000 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	563 U	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	727 U	530 U	520 U	520 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	563 U	727 U	530 U	520 U	520 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	563 U	727 U	530 U	520 U	520 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	341 U	**1850 J**	943 U	810 U	1200 U	1200 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	563 U	727 U	800	520 U	520 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G11-1-01 7/14/2000 0.5 - 1.0 ft.	SB-G11-1-02 9/27/2000 0.5 - 1.0 ft.	SB-G11-2017B-01 12/15/1999 0 - 0.5 ft.	SB-G11-2017B-07 12/15/1999 0 - 0.5 ft.	SB-G11-2017B-08 12/15/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	563 U	727 U	120 J	520 U	520 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	563 U	727 U	530 U	520 U	520 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	563 U	727 U	530 U	520 U	520 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	1126 U	1450 U	1100 U	1100 U	1000 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-3-01 12/9/1999 0 - 0.5 ft.	SB-G11-5-02 12/2/1999 0 - 0.5 ft.	SB-G11-66-03 12/9/1999 0 - 0.5 ft.	SB-G11-66-05 12/9/1999 0.5 - 1.0 ft.	SB-G11-8257-03 12/9/1999 0.5 - 1.0 ft.	SB-G9-8105-05 6/23/2000 0.5 - 1.0 ft.	SB-G9-8207-04 12/2/1999 0 - 0.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	568 U	560 U	772 U	607 U	595 U	NR	530 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1136 U	1100 U	1543 U	1214 U	1191 U	1168 U	1100 U
ACROLEIN	UG/KG	NA	NA	NA	2273 UJ	2200 UJ	3086 UJ	2427 UJ	2381 UJ	5841 U	2100 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	568 U	560 UJ	772 U	607 U	595 U	5841 U	530 UJ
BENZENE	UG/KG	1000	3000	13000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
BROMOFORM	UG/KG	1000	86000	370000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1136 U	1100 U	1543 U	1214 U	1191 U	NR	1100 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	568 UJ	560 U	772 UJ	607 UJ	595 UJ	584 UJ	530 U
CHLOROBENZENE	UG/KG	1000	37000	680000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
CHLOROETHANE	UG/KG	NA	NA	NA	1136 UJ	1100 U	1543 UJ	1214 UJ	1191 UJ	1168 U	1100 U
CHLOROFORM	UG/KG	1000	19000	28000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1136 U	190 J	1543 U	1214 U	1191 U	1250	1100 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	584 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	568 U	560 U	772 U	607 U	595 U	NR	530 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	938 U	2900 U	1758 U	1246 U	874 U	702 U	2100 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	568 U	560 U	772 U	607 U	595 U	584 U	530 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-3-01 12/9/1999 0 - 0.5 ft.	SB-G11-5-02 12/2/1999 0 - 0.5 ft.	SB-G11-66-03 12/9/1999 0 - 0.5 ft.	SB-G11-66-05 12/9/1999 0.5 - 1.0 ft.	SB-G11-8257-03 12/9/1999 0.5 - 1.0 ft.	SB-G9-8105-05 6/23/2000 0.5 - 1.0 ft.	SB-G9-8207-04 12/2/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	568 U	560 U	772 U	607 U	595 U	584 U	530 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1136 U	1100 U	1543 U	1214 U	1191 U	NR	1100 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8207-05 12/2/1999 0 - 0.5 ft.	SB-H10-1-02 12/9/1999 0 - 0.5 ft.	SB-H10-11-05 12/9/1999 0.5 - 1.0 ft.	SB-H10-12-01 12/9/1999 0.5 - 1.0 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.	SB-H10-2003-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 UJ	1116 U	1226 U	1276 U	NR	1100 UJ	1202 U
ACROLEIN	UG/KG	NA	NA	NA	2200 UJ	2232 UJ	2451 UJ	2551 UJ	NR	2200 UJ	2404 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
BENZENE	UG/KG	1000	3000	13000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
BROMOFORM	UG/KG	1000	86000	370000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1100 U	493 J	1226 U	1276 U	NR	1100 UJ	151 J
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	540 UJ	558 UJ	613 UJ	638 UJ	NR	550 UJ	601 U
CHLOROBENZENE	UG/KG	1000	37000	680000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
CHLOROETHANE	UG/KG	NA	NA	NA	1100 UJ	1116 UJ	1226 UJ	1276 UJ	NR	1100 UJ	1202 U
CHLOROFORM	UG/KG	1000	19000	28000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 UJ	1116 U	1226 U	1276 U	NR	1100 UJ	1202 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2500 U	928 U	732 U	1071 U	354 U	1100 UJ	2773 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	540 U	558 U	613 U	638 U	NR	550 UJ	601 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8207-05 12/2/1999 0 - 0.5 ft.	SB-H10-1-02 12/9/1999 0 - 0.5 ft.	SB-H10-11-05 12/9/1999 0.5 - 1.0 ft.	SB-H10-12-01 12/9/1999 0.5 - 1.0 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.	SB-H10-2003-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	540 UJ	558 U	613 U	638 U	NR	550 UJ	601 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	540 U	558 U	613 U	638 U	NR	550 UJ	601 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	**2100 J**	558 U	613 U	638 U	NR	550 UJ	601 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 UJ	1116 U	1226 U	1276 U	NR	1100 UJ	1202 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-262-02 12/14/1999 0.5 - 1.0 ft.	SB-H10-267-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-502-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-503-02 12/14/1999 0.5 - 1.0 ft.	SB-H10-68-03 12/9/1999 0.5 - 1.0 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	710 UJ	620 UJ	570 UJ	710 UJ	665 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	710 U	620 U	570 U	710 U	665 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	710 U	620 U	570 U	710 U	665 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	710 U	620 U	570 U	710 U	665 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	710 U	620 U	570 U	710 U	665 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	710 U	620 U	570 U	710 U	665 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	710 U	620 U	570 U	710 U	665 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1400 U	1200 U	1100 U	710 U	1330 U	NR
ACROLEIN	UG/KG	NA	NA	NA	3900 UJ	2500 UJ	2300 UJ	2800 UJ	2660 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	710 UJ	620 U	570 U	710 UJ	665 U	NR
BENZENE	UG/KG	1000	3000	13000	710 U	620 U	570 U	710 U	665 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	710 U	620 U	570 U	710 U	665 U	NR
BROMOFORM	UG/KG	1000	86000	370000	710 U	620 U	570 U	710 U	665 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1400 U	1200 U	1100 U	1400 U	1330 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	710 UJ	620 UJ	570 UJ	710 UJ	665 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	620 U	570 U	710 U	665 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1400 U	1200 U	1100 U	1400 U	1330 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	710 U	620 U	570 U	710 U	665 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1400 U	1200 U	1100 U	1400 U	1330 U	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	710 U	620 U	570 U	710 U	665 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	710 U	620 U	570 U	710 U	665 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	710 U	620 U	570 U	710 U	665 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1300 U	780 U	1200 U	1300 U	1262 U	363 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	710 U	620 U	570 U	710 U	665 U	NR

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-262-02 12/14/1999 0.5 - 1.0 ft.	SB-H10-267-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-502-01 12/10/1999 0.5 - 1.0 ft.	SB-H10-503-02 12/14/1999 0.5 - 1.0 ft.	SB-H10-68-03 12/9/1999 0.5 - 1.0 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	710 U	620 U	570 U	710 U	665 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	710 UJ	620 UJ	570 UJ	710 UJ	665 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	710 U	620 UJ	570 UJ	710 U	665 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1400 U	1200 U	1100 U	1400 U	1330 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9002-01 12/3/1999 0 - 0.5 ft.	SB-H10-9002-02 12/3/1999 0 - 0.5 ft.	SB-H10-9101-02 6/23/2000 0.5 - 1.0 ft.	SB-H10-9101-03 12/14/1999 0.5 - 1.0 ft.	SB-H10-9102-03 12/9/1999 0.5 - 1.0 ft.	SB-H10-9103-01 12/1/1999 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	620 U	550 U	595 U	730 UJ	573 U	619 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	620 U	550 U	595 U	730 U	573 U	619 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	620 U	550 U	595 U	730 U	573 U	619 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	620 U	550 U	595 U	730 U	573 U	619 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	620 U	550 U	595 U	730 U	573 U	619 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	620 U	550 U	NR	730 U	573 U	619 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	620 U	550 U	595 U	730 U	573 U	619 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1200 U	1100 U	1190 U	1500 U	1147 U	1238 U
ACROLEIN	UG/KG	NA	NA	NA	2500 UJ	2200 UJ	5952 U	2900 UJ	2294 UJ	2475 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	620 UJ	550 UJ	5952 U	730 UJ	573 U	619 U
BENZENE	UG/KG	1000	3000	13000	620 U	550 U	595 U	730 U	573 U	619 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	620 U	550 U	595 U	730 U	573 U	619 U
BROMOFORM	UG/KG	1000	86000	370000	620 U	550 U	595 U	730 U	573 U	619 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1200 U	1100 U	NR	1500 U	1147 U	1238 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	620 U	550 U	595 UJ	730 UJ	573 UJ	619 U
CHLOROBENZENE	UG/KG	1000	37000	680000	620 U	550 U	595 U	730 U	573 U	619 U
CHLOROETHANE	UG/KG	NA	NA	NA	1200 U	1100 U	1190 U	1500 U	1147 UJ	1238 U
CHLOROFORM	UG/KG	1000	19000	28000	620 U	550 U	595 U	730 U	573 U	619 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1200 U	1100 U	1190 U	1500 U	1147 U	126 JB
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	595 U	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	620 U	550 U	NR	730 U	573 U	619 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	620 U	550 U	595 U	730 U	573 U	619 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	620 U	550 U	595 U	730 U	573 U	619 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2900 U	2200 U	501 U	1400 U	853 U	2983 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	620 U	550 U	595 U	730 U	573 U	619 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9002-01 12/3/1999 0 - 0.5 ft.	SB-H10-9002-02 12/3/1999 0 - 0.5 ft.	SB-H10-9101-02 6/23/2000 0.5 - 1.0 ft.	SB-H10-9101-03 12/14/1999 0.5 - 1.0 ft.	SB-H10-9102-03 12/9/1999 0.5 - 1.0 ft.	SB-H10-9103-01 12/1/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	620 U	550 U	595 U	730 U	573 U	619 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	620 U	550 U	595 U	730 UJ	573 U	619 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	270 J	180 J	595 U	730 U	573 U	619 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1200 U	1100 U	NR	1500 U	1147 U	1238 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9103-03 12/1/1999 0 - 0.5 ft.	SB-H10-9103-04 12/1/1999 0 - 0.5 ft.	SB-H10-9104-02 12/1/1999 0 - 0.5 ft.	SB-H11-10-02 12/9/1999 0.5 - 1.0 ft.	SB-H11-2319-02 6/23/2000 0.5 - 1.0 ft.	SB-H11-2319-04 12/9/1999 0.5 - 1.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	631 U	544 U	563 U	517 U	590 UJ	539 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	631 U	544 U	563 U	517 U	590 U	539 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	631 U	544 U	563 U	517 U	590 U	539 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	631 U	544 U	563 U	517 U	590 U	539 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	631 U	544 U	563 U	517 U	590 U	539 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	631 U	544 U	563 U	517 U	NR	539 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	631 U	544 U	563 U	517 U	590 U	539 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1263 U	1087 U	1126 U	1033 U	1179 U	1078 U
ACROLEIN	UG/KG	NA	NA	NA	2525 UJ	2174 UJ	2252 UJ	2066 UJ	5896 U	2155 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	631 U	544 U	563 U	517 U	5896 U	539 U
BENZENE	UG/KG	1000	3000	13000	631 U	544 U	563 U	517 U	590 U	539 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	631 U	544 U	563 U	517 U	590 U	539 U
BROMOFORM	UG/KG	1000	86000	370000	631 U	544 U	563 U	517 U	590 U	539 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1263 U	4087 U	1126 U	1033 U	NR	1078 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	631 U	544 U	563 U	517 UJ	590 UJ	539 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	631 U	544 U	563 U	517 U	590 U	539 U
CHLOROETHANE	UG/KG	NA	NA	NA	1263 U	1087 U	1126 U	1033 UJ	1179 U	1078 UJ
CHLOROFORM	UG/KG	1000	19000	28000	631 U	544 U	563 U	517 U	590 U	539 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	145 JB	1087 U	1126 U	1033 U	1179 U	1078 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	590 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	631 U	544 U	563 U	517 U	NR	539 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	631 U	544 U	563 U	517 U	590 U	539 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	631 U	544 U	563 U	517 U	590 U	539 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	3388 U	**2861 B**	2440 U	1030 U	428 UJ	916 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	631 U	544 U	563 U	517 U	590 U	539 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9103-03 12/1/1999 0 - 0.5 ft.	SB-H10-9103-04 12/1/1999 0 - 0.5 ft.	SB-H10-9104-02 12/1/1999 0 - 0.5 ft.	SB-H11-10-02 12/9/1999 0.5 - 1.0 ft.	SB-H11-2319-02 6/23/2000 0.5 - 1.0 ft.	SB-H11-2319-04 12/9/1999 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	631 U	544 U	563 U	517 U	590 U	539 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	631 U	544 U	563 U	517 U	590 U	539 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	277 JB	544 U	563 U	517 U	590 UJ	539 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1263 U	1087 U	1226 U	1033 U	NR	1078 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-3-02 12/10/1999 0.5 - 1.0 ft.	SB-H11-3-03 6/23/2000 0.5 - 1.0 ft.	SB-H11-4-03 12/10/1999 0.5 - 1.0 ft.	SB-H11-696-01 7/13/2000 0 - 0.5 ft.	SB-H11-8-01 12/15/1999 0 - 0.5 ft.	SB-H11-8-02 12/15/1999 0.5 - 1.0 ft.	SB-H12-8563-01 6/23/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	610 UJ	753 U	700 UJ	NR	510 U	530 U	590 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	610 U	753 U	700 U	NR	510 U	530 U	590 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	610 U	753 U	700 U	NR	510 U	530 U	590 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	610 U	753 U	700 U	NR	510 U	530 U	590 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	610 U	753 U	700 U	NR	510 U	530 U	590 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	610 U	NR	700 U	NR	510 U	530 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	610 U	753 U	700 U	NR	510 U	530 U	590 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1200 U	1506 U	1400 U	NR	1000 U	1100 U	1179 U
ACROLEIN	UG/KG	NA	NA	NA	610 UJ	7530 U	2800 UJ	NR	2000 UJ	2100 UJ	5896 U
ACRYLONITRILE	UG/KG	1000	1000	5000	610 U	7530 U	700 U	NR	510 U	530 U	5896 U
BENZENE	UG/KG	1000	3000	13000	610 U	753 U	700 U	NR	510 U	530 U	590 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	610 U	753 U	700 U	NR	510 U	530 U	590 U
BROMOFORM	UG/KG	1000	86000	370000	610 U	753 U	700 U	NR	510 U	530 U	590 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1200 U	NR	1400 U	NR	1000 U	1100 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	610 UJ	753 UJ	700 UJ	NR	510 UJ	530 UJ	590 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	610 U	753 U	700 U	NR	510 U	530 U	590 U
CHLOROETHANE	UG/KG	NA	NA	NA	1200 U	1506 U	1400 U	NR	1000 UJ	1100 UJ	1179 U
CHLOROFORM	UG/KG	1000	19000	28000	610 U	753 U	700 U	NR	510 U	530 U	590 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1200 U	1506 U	1400 U	NR	1000 U	1100 U	1179 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	753 U	NR	NR	NR	NR	590 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	610 U	NR	700 U	NR	510 U	530 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	610 U	753 U	700 U	NR	510 U	530 U	590 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	610 U	753 U	700 U	NR	510 U	530 U	590 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1800 U	511 U	1100 U	346 U	890 U	990 U	450 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	610 U	753 U	700 U	NR	510 U	530 U	590 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-3-02 12/10/1999 0.5 - 1.0 ft.	SB-H11-3-03 6/23/2000 0.5 - 1.0 ft.	SB-H11-4-03 12/10/1999 0.5 - 1.0 ft.	SB-H11-696-01 7/13/2000 0 - 0.5 ft.	SB-H11-8-01 12/15/1999 0 - 0.5 ft.	SB-H11-8-02 12/15/1999 0.5 - 1.0 ft.	SB-H12-8563-01 6/23/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	610 U	753 U	700 U	NR	510 U	530 U	590 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	610 UJ	753 U	700 UJ	NR	510 U	530 U	590 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	610 UJ	753 U	700 UJ	NR	510 U	530 U	590 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1200 U	NR	1400 U	NR	1000 U	1100 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-8563-03 12/15/1999 0 - 0.5 ft.	SB-H12-8607-01 6/23/2000 0.5 - 1.0 ft.	SB-H12-8607-04 12/14/1999 0.5 - 1.0 ft.	SB-H8-585-01 12/2/1999 0 - 0.5 ft.	SB-H9-1-04 12/2/1999 0 - 0.5 ft.	SB-I11-9117-02 12/15/1999 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	570 U	512 UJ	700 UJ	580 U	560 UJ	540 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	570 U	512 UJ	700 U	580 U	610 U	540 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1024 UJ	1400 U	1200 U	1100 UJ	1100 U
ACROLEIN	UG/KG	NA	NA	NA	2300 UJ	5122 UJ	2800 UJ	2300 UJ	2200 UJ	2200 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	570 U	NR	700 UJ	580 UJ	560 UJ	540 U
BENZENE	UG/KG	1000	3000	13000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
BROMOFORM	UG/KG	1000	86000	370000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1100 U	NR	1400 U	1200 U	1100 UJ	1100 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	570 UJ	512 UJ	700 UJ	580 U	560 UJ	540 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
CHLOROETHANE	UG/KG	NA	NA	NA	1100 UJ	1024 UJ	1400 U	1200 U	1100 UJ	1000 UJ
CHLOROFORM	UG/KG	1000	19000	28000	570 U	512 UJ	700 U	580 U	170 J	540 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 U	1024 UJ	1400 U	130 J	180 J	1100 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	512 UJ	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	570 U	NR	700 U	580 U	560 UJ	540 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	570 U	512 UJ	700 U	580 U	560 UJ	540 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1100 U	349 U	1300 U	2800 U	2800 U	940 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	570 U	512 UJ	700 U	580 U	560 UJ	540 U

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-8563-03 12/15/1999 0 - 0.5 ft.	SB-H12-8607-01 6/23/2000 0.5 - 1.0 ft.	SB-H12-8607-04 12/14/1999 0.5 - 1.0 ft.	SB-H8-585-01 12/2/1999 0 - 0.5 ft.	SB-H9-1-04 12/2/1999 0 - 0.5 ft.	SB-I11-9117-02 12/15/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	570 U	512 UJ	700 U	200 J	560 UJ	540 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	570 U	512 UJ	700 UJ	580 U	560 UJ	540 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	570 U	512 UJ	700 U	930	560 UJ	540 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 U	1024 UJ	1400 U	1200 U	1200 U	1100 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F11-8227-07 8/8/2000 7.5 - 8.0 ft.	TP-G10-8204-06 8/3/2000 2 - 2.5 ft.	TP-G10-8224-05 7/25/2000 3.5 - 4.0 ft.	TP-G11-9300A-01 8/2/2000 4.5 - 5.0 ft.	TP-G11-9304A-01 8/2/2000 3.5 - 4.0 ft.	TP-H9-8238-04 8/2/2000 7.5 - 8.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1360 UJ	1040 U	1230 UJ	1140 U	1150 UJ	1008 UJ
ACROLEIN	UG/KG	NA	NA	NA	2720 UJ	2080 U	2450 U	2270 U	2290 UJ	2016 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	681 UJ	5210 U	613 U	5680 U	5730 UJ	5040 UJ
BENZENE	UG/KG	1000	3000	13000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
BROMOFORM	UG/KG	1000	86000	370000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1040 U	1230 U	1140 U	1150 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1360 UJ	1040 U	1230 U	1140 U	1150 UJ	1008 UJ
CHLOROFORM	UG/KG	1000	19000	28000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1360 UJ	1040 U	1230 UJ	1140 U	1150 UJ	1008 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	681 UJ	NR	NR	NR	NR	504 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	521 U	613 U	568 U	573 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	681 UJ	1830 U	521 U	2050 U	2170 UJ	907 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ

Table 5-7A

Analytical Results
Maintenance Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F11-8227-07 8/8/2000 7.5 - 8.0 ft.	TP-G10-8204-06 8/3/2000 2 - 2.5 ft.	TP-G10-8224-05 7/25/2000 3.5 - 4.0 ft.	TP-G11-9300A-01 8/2/2000 4.5 - 5.0 ft.	TP-G11-9304A-01 8/2/2000 3.5 - 4.0 ft.	TP-H9-8238-04 8/2/2000 7.5 - 8.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	681 UJ	521 U	613 U	568 U	573 UJ	504 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1360 UJ	1040 U	1230 U	1140 U	1150 UJ	1008 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-04 11/23/1999 0 - 2 ft.	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-20-02 7/12/2000 0 - 1.5 ft.	SB-F10-37B-02 12/10/1999 0 - 0.5 ft.	SB-F10-37B-03 6/23/2000 0 - 1 ft.	SB-F10-44-04 4/18/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	980 UJ	480 U	397 U	370 U	413 U	410 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	980 UJ	480 U	NR	370 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	4900 U	2400 U	794 U	740 U	825 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	980 U	480 U	NR	370 U	NR	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	2000 U	970 U	794 UJ	740 U	825 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	4900 U	2400 U	794 U	740 U	825 U	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	4900 U	2400 U	NR	740 U	NR	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 UJ	980 UJ	480 UJ	397 U	370 U	413 U	46 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	34 J	413 U	92 J
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	980 U	480 U	397 U	53 J	66.03 J	250 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 UJ	410 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	980 U	480 U	118 J	140 J	339 J	**1500**
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	980 U	480 U	94.04 J	130 J	328 J	**1500**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	980 U	480 U	272 J	210 J	394 J	**1800**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	91 J	180 J	870 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	980 U	480 U	79.76 J	370 U	139 J	570
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	980 UJ	480 U	397 U	370 U	413 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	397 U	NR	413 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	41 J	200 J	69 J	397 U	130 J	413 U	49 J
CHRYSENE	UG/KG	500000	9000	40000	400 U	110 J	480 U	226 J	210 J	350 J	1400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	51 J	900 J	420 J	397 U	88 J	45.4 J	410 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-04 11/23/1999 0 - 2 ft.	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-20-02 7/12/2000 0 - 1.5 ft.	SB-F10-37B-02 12/10/1999 0 - 0.5 ft.	SB-F10-37B-03 6/23/2000 0 - 1 ft.	SB-F10-44-04 4/18/2000 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	980 UJ	480 U	397 U	370 U	413 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	980 U	480 U	397 U	370 U	413 U	250 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	100 J	690 J	58 J	554	120 J	53.24 J	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	980 U	480 U	307 J	330 J	599	2800
FLUORENE	UG/KG	100000	2300000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	96 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	980 U	480 U	NR	NR	NR	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	980 UJ	480 U	397 U	370 U	413 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	980 UJ	480 U	397 UJ	370 U	413 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	980 UJ	480 U	397 U	370 U	413 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	980 U	480 U	397 U	77 J	159 J	780 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	980 U	480 U	397 U	370 U	413 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	980 U	480 U	397 U	370 U	413 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	980 U	480 U	397 U	370 U	413 U	410 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	450 J	480 U	185 J	140 J	413 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 UJ	980 UJ	480 UJ	397 U	370 U	413 U	72 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	4900 U	2400 U	794 U	740 U	825 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	62 J	480 U	125 J	200 J	287 J	1300
PHENOL	UG/KG	50000	10000000	10000000	400 U	980 UJ	480 U	397 U	370 U	413 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	400 UJ	980 UJ	480 UJ	157 J	440	573	2900

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-44-05 12/8/1999 0 - 2 ft.	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-2-03 12/10/1999 0 - 2 ft.	SB-F11-2292-02 4/18/2000 0 - 2 ft.	SB-F11-2292-03 12/8/1999 0 - 2 ft.	SB-F11-43-02 6/23/2000 0 - 1 ft.	SB-F11-43-03 12/10/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	440 UJ	370 U	480 U	420 U	385 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 UJ	420 U	385 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	440 U	370 U	NR	420 U	NR	370 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 UJ	880 U	750 U	970 U	830 UJ	770 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	440 U	370 U	480 U	420 U	385 U	**30 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 U	420 U	NR	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	880 UJ	750 U	970 U	830 U	770 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	880 UJ	750 U	970 U	830 U	770 U	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 U	420 U	385 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 UJ	440 U	370 U	480 U	420 UJ	385 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 U	420 U	385 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 UJ	880 U	750 U	970 U	830 UJ	NR	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 UJ	110 J	370 U	480 U	420 UJ	385 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	24 J	190 J	18 J	480 U	420 U	385 U	37 J
ANTHRACENE	UG/KG	100000	10000000	10000000	41 J	520 J	370 U	480 U	420 U	385 U	32 J
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	440 U	370 U	480 UJ	420 UJ	385 UJ	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	250 J	**1900 J**	66 J	480 U	420 U	66.3 J	230 J
BENZO(a)PYRENE	UG/KG	100000	660	660	240 J	**1800 J**	370 U	480 U	420 U	67.46 J	190 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 J	**3500 J**	110 J	480 U	420 U	135 J	410
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	140 J	760	NR	NR	420 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	370 U	480 UJ	NR	385 U	93 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	140 J	**1300 J**	370 U	480 U	420 U	385 U	150 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	440 UJ	370 U	480 U	420 U	385 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 U	420 U	385 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	480 U	NR	385 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	30 U	270 J	370 U	33 J	46 U	385 U	370 U
CHRYSENE	UG/KG	500000	9000	40000	330 J	2700 J	180 J	480 U	420 U	104 J	370
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 J	39 J	45 J	480 U	38 J	54.35 J	36 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-44-05 12/8/1999 0 - 2 ft.	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-2-03 12/10/1999 0 - 2 ft.	SB-F11-2292-02 4/18/2000 0 - 2 ft.	SB-F11-2292-03 12/8/1999 0 - 2 ft.	SB-F11-43-02 6/23/2000 0 - 1 ft.	SB-F11-43-03 12/10/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	270 J	370 U	480 U	420 U	385 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	270 J	370 U	480 UJ	420 U	385 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	190 J	370 U	480 U	49 J	79.8 J	120 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	480 J	3800	120 J	480 U	420 UJ	93.67 J	370
FLUORENE	UG/KG	100000	2300000	10000000	410 U	240 J	370 U	480 U	420 U	385 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	440 U	NR	480 U	420 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	440 UJ	370 U	480 U	420 U	385 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	130 J	750 J	370 U	480 UJ	420 U	385 U	93 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	440 U	370 U	480 U	420 U	385 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	440 U	370 U	480 UJ	420 U	385 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	130 J	370 U	480 U	420 U	385 U	76 J
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	120 J	27 J	480 U	420 U	385 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	880 U	750 U	970 U	830 U	770 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	230 J	2500	96 J	480 U	420 U	385 U	200 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	440 U	370 U	480 U	420 U	385 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	550 J	4600 J	180 J	480 U	420 UJ	77.1 J	370

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-456-01 4/18/2000 0 - 1 ft.	SB-F11-456-02 12/8/1999 0 - 2 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-458-02 12/16/1999 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.	SB-F11-8113-02 12/10/1999 0 - 2 ft.	SB-F11-8227-01 12/8/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	440 U	430 U	4500 U	420 UJ	430 U	410 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	440 UJ	430 U	4500 UJ	420 U	430 U	410 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	430 U	NR	420 U	430 UJ	410 U	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	880 U	850 UJ	9000 U	830 U	850 U	820 U	760 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	440 U	430 U	4500 U	420 U	**1420**	410 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	880 U	850 U	9000 U	830 U	850 U	820 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	880 U	850 U	9000 U	830 UJ	850 U	820 U	760 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	440 U	430 UJ	4500 U	420 U	430 UJ	410 U	380 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	880 U	850 UJ	9000 U	830 U	850 UJ	820 U	760 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	36 J	430 UJ	960 JD	420 U	430 UJ	410 U	380 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	46 J	18 J	730 JD	50 J	100 J	410 U	30 J
ANTHRACENE	UG/KG	100000	10000000	10000000	89 J	44 J	2300 JD	39 J	71 J	410 U	29 J
BENZIDINE	UG/KG	NA	NA	NA	440 UJ	430 UJ	4500 UJ	420 U	430 U	410 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	570	240 J	**10000 D**	150 J	500	79 J	190 J
BENZO(a)PYRENE	UG/KG	100000	660	660	550	230 J	**8800 D**	160 J	430 J	79 J	150 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	840	300 J	**12000 D**	250 J	**900**	150 J	380 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	110 J	NR	130 J	220 J	NR	97 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 J	NR	4700 J	NR	NR	410 U	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	260 J	170 J	**4200 JD**	140 J	240 J	410 U	190 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	440 U	NR	4500 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	28 J	58 U	4500 U	420 U	46 U	410 U	32 U
CHRYSENE	UG/KG	500000	9000	40000	640	260 J	**11000 D**	210 J	700	220 J	300 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	440 U	47 J	4500 U	420 U	210 J	410 U	36 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-456-01 4/18/2000 0 - 1 ft.	SB-F11-456-02 12/8/1999 0 - 2 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-458-02 12/16/1999 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.	SB-F11-8113-02 12/10/1999 0 - 2 ft.	SB-F11-8227-01 12/8/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	440 U	430 U	4500 U	420 UJ	430 U	410 U	380 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	440 UJ	430 U	4500 UJ	420 UJ	430 U	410 U	380 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	440 U	430 U	4500 U	420 U	310 J	430	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1200	440 J	23000 D	310 J	970	410 U	350 J
FLUORENE	UG/KG	100000	2300000	10000000	71 J	430 U	2100 JD	420 U	430 U	410 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	440 U	430 U	4500 U	420 U	430 U	NR	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	440 U	430 U	4500 U	420 U	430 UJ	410 U	380 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	440 U	430 U	4500 U	420 UJ	430 U	410 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	330 J	110 J	**3900 J**	85 J	230 J	410 U	97 J
ISOPHORONE	UG/KG	50000	1100000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	440 UJ	430 U	4500 UJ	420 U	430 UJ	410 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	440 U	430 U	4500 U	420 U	190 J	250 J	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	440 U	430 U	420 J	420 UJ	430 U	410 U	28 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	880 U	850 U	9000 U	830 U	850 U	820 U	760 U
PHENANTHRENE	UG/KG	NA	NA	NA	870	250 J	19000 D	190 J	340 J	110 J	170 J
PHENOL	UG/KG	50000	10000000	10000000	440 U	430 U	4500 U	420 U	430 U	410 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	1600	600 J	24000 D	280 J	770	410 U	390

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-8227-06 12/15/1999 0 - 10 ft.	SB-F11-A2-01 12/10/1999 0 - 1 ft.	SB-F12-4-01 4/18/2000 0 - 1.5 ft.	SB-F12-4-03 12/9/1999 0 - 2 ft.	SB-F12-F6-01 4/18/2000 0 - 2 ft.	SB-F12-F6-02 12/2/1999 0 - 1 ft.	SB-G10-1-02 11/23/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	770 J	390 U	390 U	370 U	400 U	400 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 UJ	400 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	**330000**	390 U	390 U	370 U	400 U	400 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	2600 U	390 U	NR	370 UJ	NR	400 UJ	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	5100 U	780 U	780 U	740 U	800 U	790 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	5100 U	780 U	780 U	740 U	800 U	790 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	5100 U	780 U	780 U	740 UJ	800 U	790 UJ	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	5100 U	780 U	780 U	740 UJ	800 U	790 UJ	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	2600 UJ	390 U	390 U	370 U	400 U	400 U	380 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	2600 U	17 J	18 J	21 J	400 U	400 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	2600 U	22 J	390 U	33 J	400 U	400 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	2600 U	81 J	180 J	150 J	40 J	33 J	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	2600 U	76 J	180 J	150 J	40 J	33 J	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	2600 U	190 J	360 J	270 J	66 J	400 U	380 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	2600 U	NR	NR	100 J	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	390 U	110 J	NR	400 UJ	400 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	2600 U	390 U	390 UJ	370 U	400 U	400 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	2600 U	390 U	390 UJ	370 U	400 U	400 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	390 U	NR	400 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2600 U	47 J	24 J	30 U	26 J	30 J	24 J
CHRYSENE	UG/KG	500000	9000	40000	2600 U	170 J	230 J	200 J	54 J	43 J	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2600 U	390 U	22 J	41 U	400 U	400 U	75 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-8227-06 12/15/1999 0 - 10 ft.	SB-F11-A2-01 12/10/1999 0 - 1 ft.	SB-F12-4-01 4/18/2000 0 - 1.5 ft.	SB-F12-4-03 12/9/1999 0 - 2 ft.	SB-F12-F6-01 4/18/2000 0 - 2 ft.	SB-F12-F6-02 12/2/1999 0 - 1 ft.	SB-G10-1-02 11/23/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	2600 U	390 U	390 UJ	370 U	400 U	400 U	380 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	2600 U	390 U	390 UJ	370 U	400 UJ	400 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2600 U	120 J	390 U	370 U	400 U	400 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	2600 U	190 J	450	360 J	97 J	79 J	380 U
FLUORENE	UG/KG	100000	2300000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	2600 U	NR	390 U	370 U	400 U	NR	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	2600 U	390 U	390 UJ	370 U	400 U	400 UJ	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	2600 U	390 U	390 UJ	370 UJ	400 U	400 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	2600 U	390 U	92 J	76 J	400 UJ	400 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	2600 U	390 U	390 UJ	370 U	400 UJ	400 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2600 U	84 J	390 U	370 U	400 U	400 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	2600 U	390 U	390 U	370 U	400 U	400 U	380 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	5100 U	780 U	780 U	740 U	800 U	790 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800	100 J	140 J	250 J	51 J	38 J	380 U
PHENOL	UG/KG	50000	10000000	10000000	2600 U	390 U	390 U	370 U	400 U	400 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	2600 U	180 J	310 J	360 J	400 U	68 J	380 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-108B-04 11/22/1999 0 - 2 ft.	SB-G10-108B-05 11/22/1999 0 - 0.5 ft.	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-13-02 9/27/2000 0 - 1 ft.	SB-G10-16-02 11/30/1999 0 - 1 ft.	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 U	460 U	NR	361 U	420 U	420 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	2300 UJ	688 U	723 U	2100 UJ	2100 UJ	711 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	460 U	344 U	361 U	420 U	**310 J**	356 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	460 U	NR	361 U	420 U	420 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	910 U	688 U	723 UJ	830 U	840 U	711 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 UJ	2300 UJ	688 U	723 U	2100 U	2100 U	711 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 UJ	2300 UJ	NR	723 U	2100 U	2100 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	63 J	51 J	168 J
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	460 U	81.56 J	361 U	51 J	37 J	303 J
BENZIDINE	UG/KG	NA	NA	NA	380 U	460 U	344 UJ	361 U	420 U	420 U	356 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	150 J	296 J	94.3 J	160 J	240 J	**1420**
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	100 J	282 J	110 J	150 J	250 J	**882**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	190 J	506	208 J	300 J	490	**1720**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	460 U	237 J	74.4 J	190 J	180 J	619
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	65 J	133 J	69 J	150 J	140 J	552
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	344 U	NR	NR	NR	356 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	44 J	56 J	39.58 J	361 U	420 U	100 U	46.59 J
CHRYSENE	UG/KG	500000	9000	40000	380 U	150 J	342 J	134 J	290 J	310 J	1400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	41 J	68 J	344 U	361 U	44 J	5500	356 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-108B-04 11/22/1999 0 - 2 ft.	SB-G10-108B-05 11/22/1999 0 - 0.5 ft.	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-13-02 9/27/2000 0 - 1 ft.	SB-G10-16-02 11/30/1999 0 - 1 ft.	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	460 U	344 U	361 U	420 UJ	420 U	356 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	460 U	344 U	361 U	420 U	420 U	356 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	49 J	344 U	361 U	420 U	51 J	356 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	460 U	344 U	361 U	420 U	38 J	356 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	340 J	368	85.3 J	300 J	370 J	2980
FLUORENE	UG/KG	100000	2300000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	460 U	344 U	361 U	420 U	420 UJ	356 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	460 U	202 J	69 J	160 J	160 J	624
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	460 U	344 U	361 U	420 U	420 U	356 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	460 U	344 U	361 U	420 U	420 U	356 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	460 U	344 U	361 U	420 U	930	356 U
NAPHTHALENE	UG/KG	100000	230000	4200000	380 UJ	460 UJ	NR	361 U	420 U	39 J	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	2300 U	688 U	723 U	2100 U	2100 U	711 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	97 J	83.28 J	361 U	190 J	260 J	1390
PHENOL	UG/KG	50000	10000000	10000000	380 U	460 U	344 U	361 U	420 U	420 U	356 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	290 J	389	126 J	410 J	440	1850

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-2-03 11/22/1999 0 - 1 ft.	SB-G10-2008-03 11/30/1999 0 - 1 ft.	SB-G10-2009-03 11/30/1999 0 - 1 ft.	SB-G10-269-02 9/27/2000 0 - 1 ft.	SB-G10-269-03 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-271-02 9/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	390 U	360 UJ	394 U	342 U	338 U	393 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	NR	NR	393 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1900 UJ	2000 UJ	1800 UJ	787 U	685 UJ	675 U	786 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	NR	NR	393 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	780 U	720 UJ	787 UJ	685 U	675 U	786 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1900 UJ	2000 U	1800 UJ	787 U	685 U	675 U	786 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1900 UJ	2000 U	1800 UJ	787 U	NR	NR	786 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	390 U	97 J	394 U	342 U	338 U	393 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	390 U	74 J	394 U	342 U	103 J	393 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 UJ	393 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	390 U	160 J	167 J	44.86 J	350	103 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 UJ	390 U	220 J	135 J	342 U	232 J	57.8 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 UJ	390 U	430 J	184 J	92.8 J	514	163 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 UJ	390 U	190 J	79.9 J	342 U	174 J	393 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 UJ	390 U	170 J	394 U	342 U	139 J	393 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	390 U	150 J	394 U	342 U	312 J	393 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	342 U	338 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	53 J	390 U	880 J	394 U	342 U	130 J	393 U
CHRYSENE	UG/KG	500000	9000	40000	46 J	32 J	330 J	204 J	90.06 J	642	193 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 UJ	390 U	34 J	394 U	342 U	77.68 J	393 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-2-03 11/22/1999 0 - 1 ft.	SB-G10-2008-03 11/30/1999 0 - 1 ft.	SB-G10-2009-03 11/30/1999 0 - 1 ft.	SB-G10-269-02 9/27/2000 0 - 1 ft.	SB-G10-269-03 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-271-02 9/27/2000 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	1100 J	360 UJ	394 U	342 U	338 U	393 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	390 U	360 UJ	394 U	342 U	115 J	393 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	33 J	394 U	342 U	338 U	393 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	390 U	530 J	257 J	166 J	698	261 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	390 U	360 UJ	394 U	NR	338 U	393 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	390 U	360 UJ	394 U	342 UJ	338 U	393 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 UJ	390 U	180 J	65.4 J	342 U	150 J	393 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	390 U	360 UJ	394 U	342 U	NR	393 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1900 U	2000 U	1800 UJ	787 U	685 U	675 U	786 U
PHENANTHRENE	UG/KG	NA	NA	NA	42 J	390 U	230 J	157 J	54.45 J	275 J	122 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	390 U	360 UJ	394 U	342 U	338 U	393 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	390 U	380 J	296 J	342 U	513	257 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-3-01 12/15/1999 0 - 0.5 ft.	SB-G10-4-02 12/14/1999 0 - 0.8 ft.	SB-G10-4-05 12/14/1999 0 - 1 ft.	SB-G10-459-04 4/18/2000 0 - 1 ft.	SB-G10-459-05 12/15/1999 0 - 2 ft.	SB-G10-5-02 12/15/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 UJ	380 U	400 UJ	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	460 U	400 UJ	400 UJ	NR	380 U	400 UJ	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	910 UJ	790 U	790 U	760 U	760 U	800 UJ	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	460 U	400 U	400 U	380 U	380 U	400 UJ	**28 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	910 U	790 U	790 U	760 U	760 U	800 UJ	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	910 UJ	790 U	790 U	760 U	760 U	800 UJ	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	910 U	790 UJ	790 UJ	760 U	760 U	800 UJ	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 UJ	25 J	130 J	380 U	380 UJ	400 UJ	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 U	51 J	69 J	380 U	380 U	19 J	31 J
ANTHRACENE	UG/KG	100000	10000000	10000000	460 U	150 J	290 J	380 U	380 U	29 J	36 J
BENZIDINE	UG/KG	NA	NA	NA	460 U	400 UJ	400 UJ	380 UJ	380 U	400 UJ	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 U	190 J	600	99 J	45 J	120 J	570
BENZO(a)PYRENE	UG/KG	100000	660	660	460 U	170 J	510	80 J	28 J	130 J	500
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 U	370 J	**930**	120 J	66 J	240 J	780
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	460 U	NR	NR	NR	380 U	110 J	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	110 J	340 J	380 UJ	NR	NR	310 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 U	400 UJ	350 J	380 U	380 U	98 J	240 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	400 U	400 U	380 U	380 U	870 J	790
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	380 U	NR	NR	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	250 J	110 U	220 U	380 U	83 J	580 J	210 J
CHRYSENE	UG/KG	500000	9000	40000	460 U	250 J	650	86 J	65 J	140 J	810
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	460 U	400 U	28 J	380 U	380 U	970 J	110 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-3-01 12/15/1999 0 - 0.5 ft.	SB-G10-4-02 12/14/1999 0 - 0.8 ft.	SB-G10-4-05 12/14/1999 0 - 1 ft.	SB-G10-459-04 4/18/2000 0 - 1 ft.	SB-G10-459-05 12/15/1999 0 - 2 ft.	SB-G10-5-02 12/15/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	400 UJ	400 U	380 U	380 U	400 UJ	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	400 UJ	120 J	380 UJ	380 U	400 UJ	220 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	400 U	400 U	40 J	380 U	660 J	430
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 U	390 J	1200	160 J	83 J	240 J	460
FLUORENE	UG/KG	100000	2300000	10000000	460 U	33 J	120 J	380 U	380 U	400 UJ	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	NR	NR	380 U	380 U	400 UJ	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 UJ	400 U	400 U	380 U	380 U	400 UJ	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 U	98 J	300 J	380 UJ	380 U	95 J	230 J
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 U	400 U	400 U	380 UJ	380 U	400 UJ	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 U	400 U	400 U	380 U	380 U	720 J	85 J
NAPHTHALENE	UG/KG	100000	230000	4200000	460 U	30 J	53 J	380 U	380 U	400 UJ	27 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	910 U	790 U	790 U	760 U	760 U	800 UJ	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	460 U	300 J	940	52 J	41 J	97 J	200 J
PHENOL	UG/KG	50000	10000000	10000000	460 U	400 U	400 U	380 U	380 U	400 UJ	390 U
PYRENE	UG/KG	100000	1700000	10000000	460 U	710	1500	150 J	380 U	260 J	620

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8106-01 12/1/1999 0 - 1 ft.	SB-G10-8106-02 12/1/1999 0 - 2 ft.	SB-G10-8106A-04 11/30/1999 0 - 1 ft.	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	390 UJ	410 U	390 U	400 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	390 UJ	410 U	390 U	400 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	390 U	410 U	390 U	400 U	370 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	390 UJ	410 U	390 U	400 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	390 UJ	410 U	390 U	400 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	390 UJ	400 U	370 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	390 UJ	410 U	390 U	400 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	390 UJ	410 U	390 U	400 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	390 UJ	280 J	390 U	1700	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 UJ	2000 UJ	2100 UJ	1900 U	2000 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**60 J**	**58 J**	410 U	**54 J**	**96 J**	**385 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	390 U	410 U	390 U	400 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	390 UJ	410 U	390 U	400 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	390 U	400 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	780 U	820 U	780 U	790 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	2000 UJ	2100 U	1900 UJ	2000 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	390 U	400 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	390 UJ	410 U	390 U	400 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	390 U	400 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	2000 UJ	2100 U	1900 UJ	2000 U	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	390 UJ	37 J	50 J	400 U	370 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	66 J	110 J	660	390 U	140 J	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	53 J	120 J	600	73 J	200 J	28 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	390 U	410 U	390 U	400 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	470	**1700**	590	310 J	370 J	98 J
BENZO(a)PYRENE	UG/KG	100000	660	660	480	**1700 J**	290 J	240 J	320 J	91 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	760 J	**3700 J**	**920**	360 J	510	180 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	380 J	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	840 J	290 J	200 J	220 J	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	440 J	**1200 J**	340 J	140 J	280 J	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	390 U	410 U	390 U	400 U	370 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	390 U	400 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	390 U	410 U	390 U	400 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	110 U	70 U	94 J	3000	400 U	52 J
CHRYSENE	UG/KG	500000	9000	40000	570	1700	870	350 J	370 J	200 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	120 J	46 J	140 J	1400	400 U	75 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8106-01 12/1/1999 0 - 1 ft.	SB-G10-8106-02 12/1/1999 0 - 2 ft.	SB-G10-8106A-04 11/30/1999 0 - 1 ft.	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	390 UJ	410 UJ	390 U	400 U	370 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	130 J	380 J	410 U	81 J	400 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	390 UJ	410 U	460	400 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	390 UJ	410 U	49 J	400 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1000	1700 J	5400	470	710	230 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	390 UJ	47 J	390 U	49 J	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	390 UJ	410 U	390 U	400 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	390 UJ	410 U	390 UJ	400 U	370 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	390 UJ	410 U	390 U	400 U	370 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	390 UJ	410 U	390 U	400 U	370 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	340 J	800 J	310 J	160 J	210 J	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	390 UJ	410 U	390 U	400 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	390 UJ	410 U	390 U	400 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	390 UJ	410 U	330 J	400 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	390 U	410 U	390 U	400 U	86 J
NAPHTHALENE	UG/KG	100000	230000	4200000	24 J	44 J	160 J	33 J	180 J	97 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	2000 UJ	2100 U	1900 U	2000 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	530	390 J	2600	240 J	710	230 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	390 UJ	410 U	390 U	230 J	370 UJ
PYRENE	UG/KG	100000	1700000	10000000	1500 J	3900	2900	640	510	200 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.	SB-G10-8114-03 12/15/1999 0 - 2 ft.	SB-G10-8159-03 12/15/1999 0 - 0.5 ft.	SB-G10-8159-05 12/15/1999 0 - 0.5 ft.	SB-G10-8159-06 12/15/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4100 U	360 U	420 U	560 U	580 U	580 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4100 U	360 U	420 U	560 U	580 U	580 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4100 UJ	360 UJ	420 U	NR	NR	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4100 U	360 U	420 U	560 U	580 U	580 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4100 U	360 U	420 U	560 U	580 U	580 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	4100 UJ	360 UJ	420 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4100 U	360 U	420 U	NR	NR	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4100 U	360 U	420 U	NR	NR	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4100 U	360 U	420 U	NR	NR	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	20000 U	1800 U	830 UJ	NR	NR	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4100 U	**52 J**	420 U	NR	NR	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4100 U	360 U	420 U	NR	NR	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8100 U	720 U	830 U	NR	NR	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	20000 U	1800 U	830 U	NR	NR	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4100 U	360 U	420 U	NR	NR	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	20000 U	1800 U	830 U	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	4100 UJ	360 UJ	420 UJ	NR	NR	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
ANTHRACENE	UG/KG	100000	10000000	10000000	4100 U	360 U	420 U	NR	NR	NR
BENZIDINE	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	660 J	130 J	52 J	NR	NR	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	**710 J**	130 J	420 U	NR	NR	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1000 J**	290 J	420 U	NR	NR	NR
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	420 U	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	4100 U	360 UJ	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4100 U	91 J	420 U	NR	NR	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4100 UJ	360 UJ	**190000 ^D**	NR	NR	NR
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4100 U	360 U	420 U	NR	NR	NR
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	520 J	200 J	3100	NR	NR	NR
CHRYSENE	UG/KG	500000	9000	40000	840 J	290 J	61 J	NR	NR	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4100 UJ	180 J	990	NR	NR	NR

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.	SB-G10-8114-03 12/15/1999 0 - 2 ft.	SB-G10-8159-03 12/15/1999 0 - 0.5 ft.	SB-G10-8159-05 12/15/1999 0 - 0.5 ft.	SB-G10-8159-06 12/15/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4100 U	360 UJ	470 J	NR	NR	NR
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4100 U	360 UJ	420 U	NR	NR	NR
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4100 U	67 J	420 U	NR	NR	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4100 U	360 U	420 U	NR	NR	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	990 J	220 J	420 U	NR	NR	NR
FLUORENE	UG/KG	100000	2300000	10000000	4100 U	360 U	420 U	NR	NR	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	4100 U	360 U	420 U	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4100 UJ	360 UJ	420 U	560 U	580 U	580 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4100 UJ	360 UJ	420 UJ	NR	NR	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4100 UJ	360 UJ	420 U	NR	NR	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4100 U	360 UJ	420 U	NR	NR	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	4100 U	360 U	420 U	NR	NR	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4100 U	360 U	420 U	NR	NR	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4100 U	360 U	420 U	NR	NR	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	4100 U	190 J	420 U	NR	NR	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	4100 UJ	33 J	420 U	560 U	580 U	580 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	20500 U	1800 U	830 U	NR	NR	NR
PHENANTHRENE	UG/KG	NA	NA	NA	620 J	200 J	420 U	NR	NR	NR
PHENOL	UG/KG	50000	10000000	10000000	4100 UJ	360 U	420 U	NR	NR	NR
PYRENE	UG/KG	100000	1700000	10000000	1400 J	300 J	420 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8204-02 11/22/1999 0 - 2 ft.	SB-G10-8204-05 11/22/1999 0 - 0.5 ft.	SB-G10-8213-07 11/30/1999 0 - 1 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8216-02 9/27/2000 0 - 1.5 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	NR	377 U	330 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	19000 UJ	21000 UJ	1900 UJ	704 U	754 U	1700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	NR	377 U	330 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7700 U	8200 UJ	770 U	704 U	754 UJ	670 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	19000 UJ	21000 UJ	1900 U	704 U	754 U	1700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
4-NITROPHENOL	UG/KG	NA	NA	NA	19000 UJ	21000 UJ	1900 U	NR	754 U	1700 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 U	4100 UJ	36 J	352 U	377 U	20 J
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 U	4100 UJ	25 J	352 U	377 U	390
BENZIDINE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3800 U	4100 UJ	50 J	192 J	105 J	**1100**
BENZO(a)PYRENE	UG/KG	100000	660	660	3800 U	4100 UJ	43 J	156 J	60.3 J	**1300**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3800 U	4100 UJ	130 J	305 J	119 J	**1700**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	86.93 J	377 U	1100
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 U	4100 UJ	380 U	95.37 J	377 U	610
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 U	4500 J	380 U	352 U	377 U	330 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	352 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	6200 J	41 J	29.91 J	377 U	330 U
CHRYSENE	UG/KG	500000	9000	40000	3800 U	4100 UJ	72 J	270 J	131 J	1500
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3800 U	1400 J	380 U	352 U	377 U	330 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8204-02 11/22/1999 0 - 2 ft.	SB-G10-8204-05 11/22/1999 0 - 0.5 ft.	SB-G10-8213-07 11/30/1999 0 - 1 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8216-02 9/27/2000 0 - 1.5 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 U	4100 UJ	380 UJ	352 U	377 U	330 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 U	4100 UJ	380 U	352 U	377 U	**690**
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	1400 J	380 U	352 U	377 U	330 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	4100 U	380 U	352 U	377 U	330 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 U	4100 UJ	74 J	432	195 J	2100
FLUORENE	UG/KG	100000	2300000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	230 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 U	4100 U	380 U	352 U	377 U	330 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 U	4100 UJ	72 J	83.06 J	377 U	810
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 U	4100 UJ	380 U	352 U	377 U	330 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	352 U	377 U	330 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 U	850 J	380 U	352 U	377 U	330 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 UJ	4100 UJ	380 U	NR	377 U	74 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	19000 U	21000 UJ	1900 U	704 U	754 U	1700 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 U	4100 UJ	380 U	147 J	73.9 J	2400
PHENOL	UG/KG	50000	10000000	10000000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
PYRENE	UG/KG	100000	1700000	10000000	3800 U	4100 UJ	380 U	258 J	232 J	2200

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8224-03 11/30/1999 0 - 1 ft.	SB-G10-8224-04 11/30/1999 0 - 1.5 ft.	SB-G10-8501-06 12/16/1999 0 - 1 ft.	SB-G10-8502-03 12/15/1999 0 - 0.5 ft.	SB-G10-8502-07 12/15/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 UJ	410 U	390 U	400 U	390 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 UJ	410 U	390 UJ	400 U	390 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 UJ	410 U	390 U	400 U	390 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 UJ	410 U	390 U	400 U	390 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2100 UJ	780 U	790 U	780 UJ	890 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 UJ	410 U	390 U	400 U	390 U	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 UJ	410 U	390 U	400 U	390 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	820 U	780 UJ	790 U	780 UJ	890 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 UJ	2100 U	780 UJ	790 U	780 UJ	890 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	2100 UJ	780 U	790 U	780 U	890 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 UJ	410 U	390 U	400 UJ	390 UJ	590
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 UJ	410 U	21 J	400 U	390 U	86 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 UJ	410 U	48 J	400 U	35 J	1400
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	39 J	82 J	240 J	400 U	80 J	**3200 J**
BENZO(a)PYRENE	UG/KG	100000	660	660	42 J	110 J	290 J	400 U	390 U	**2900 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 UJ	140 J	450 J	140 J	110 J	**4000 J**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	390 UJ	96 J	390 U	1900 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 UJ	410 U	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 UJ	410 U	140 J	400 U	390 U	**1900 J**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	410 U	390 UJ	400 U	390 UJ	440 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	410 U	390 U	400 U	390 U	440 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 UJ	30 U	390 UJ	210 J	90 J	440 UJ
CHRYSENE	UG/KG	500000	9000	40000	58 J	170 J	230 J	400 U	74 J	3100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 UJ	410 U	390 U	400 U	60 J	440 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8224-03 11/30/1999 0 - 1 ft.	SB-G10-8224-04 11/30/1999 0 - 1.5 ft.	SB-G10-8501-06 12/16/1999 0 - 1 ft.	SB-G10-8502-03 12/15/1999 0 - 0.5 ft.	SB-G10-8502-07 12/15/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	410 UJ	390 UJ	400 U	390 U	440 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	410 U	390 UJ	400 U	390 U	520 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	410 U	390 U	39 J	390 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 UJ	110 J	360 J	100 J	110 J	3500
FLUORENE	UG/KG	100000	2300000	10000000	390 UJ	410 U	390 U	400 U	390 U	590
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	410 U	390 U	400 U	390 U	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 UJ	410 U	390 U	400 U	390 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	410 U	390 U	400 U	390 UJ	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 UJ	410 U	390 UJ	400 U	390 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 UJ	410 U	390 UJ	400 U	390 U	**1700 J**
ISOPHORONE	UG/KG	50000	1100000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 UJ	410 U	390 U	400 U	390 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	410 U	390 U	400 U	390 U	440 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 UJ	410 U	390 U	400 U	390 U	440 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 UJ	410 U	390 UJ	400 U	390 U	420 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 UJ	2100 U	780 U	790 U	780 U	890 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	48 J	120 J	240 J	73 J	89 J	4100
PHENOL	UG/KG	50000	10000000	10000000	390 UJ	410 U	390 U	400 U	390 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	390 UJ	410 U	610 J	110 J	160 J	6700 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8682-05 12/2/1999 0 - 2 ft.	SB-G10-9100-01 11/22/1999 0 - 0.5 ft.	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G10-9515-02 11/23/1999 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-02 9/27/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 U	380 U	341 U	390 U	NR	563 U	385 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 U	380 UJ	341 U	390 UJ	355 U	NR	385 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3800 U	380 U	NR	390 UJ	NR	NR	385 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7700 UJ	1900 UJ	682 U	2000 U	711 U	NR	769 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
2-NITROPHENOL	UG/KG	NA	NA	NA	7700 UJ	380 U	NR	390 U	NR	NR	385 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7700 UJ	760 U	682 U	780 U	711 U	NR	769 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7700 U	1900 UJ	682 U	2000 U	711 U	NR	769 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	380 U	341 U	390 U	355 U	NR	385 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	380 U	341 U	390 U	355 U	NR	385 U
4-NITROPHENOL	UG/KG	NA	NA	NA	3800 U	1900 UJ	NR	2000 U	NR	NR	769 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 U	23 J	341 U	390 UJ	355 U	NR	385 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 U	65 J	341 U	170 J	355 U	NR	385 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 U	110 J	341 U	240 J	57.59 J	NR	57.7 J
BENZIDINE	UG/KG	NA	NA	NA	3800 U	380 U	341 UJ	390 U	355 U	NR	385 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3800 U	490	48.79 J	**2000**	287 J	NR	188 J
BENZO(a)PYRENE	UG/KG	100000	660	660	3800 U	470 J	45.71 J	**1600**	306 J	NR	173 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3800 U	860 J	105 J	**2700**	588	NR	324 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 U	240 J	341 U	550	250 J	NR	159 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 U	340 J	341 U	**990**	192 J	NR	88.8 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	380 UJ	341 U	390 UJ	355 U	NR	385 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 U	380 U	341 U	390 U	355 U	NR	385 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	341 U	NR	355 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	82 J	29.68 J	410 J	78.91 J	NR	385 U
CHRYSENE	UG/KG	500000	9000	40000	3800 U	600	78.81 J	1800	376	NR	251 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3800 U	62 J	341 U	270 J	99.89 J	NR	74.6 J

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8682-05 12/2/1999 0 - 2 ft.	SB-G10-9100-01 11/22/1999 0 - 0.5 ft.	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G10-9515-02 11/23/1999 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-02 9/27/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 U	380 UJ	341 U	390 UJ	355 U	NR	385 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 U	380 UJ	341 U	230 J	355 U	NR	385 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 UJ	41 J	341 U	76 J	355 U	NR	98.1 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 U	960	103 J	2300	597	NR	358 J
FLUORENE	UG/KG	100000	2300000	10000000	3800 U	40 J	341 U	31 J	355 U	NR	385 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	380 U	341 U	390 U	NR	NR	385 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 U	380 U	341 U	390 UJ	355 U	NR	385 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 U	380 U	341 U	390 UJ	355 U	NR	385 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 U	240 J	341 U	660	233 J	NR	143 J
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 U	380 U	341 U	390 U	355 U	NR	385 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 U	380 U	341 U	390 U	355 U	NR	385 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 U	380 U	341 U	390 U	355 U	NR	385 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 U	380 U	341 U	390 U	179 J	NR	266 J
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 U	36 UJ	NR	50 J	355 U	NR	385 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7700 U	1900 U	682 U	2000 U	711 U	NR	769 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 U	630	341 U	380 J	162 J	NR	160 J
PHENOL	UG/KG	50000	10000000	10000000	3800 U	380 U	341 U	390 UJ	355 U	NR	385 U
PYRENE	UG/KG	100000	1700000	10000000	3800 U	880	341 U	2400 J	479	NR	353 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-01 12/15/1999 0 - 1 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.	SB-G11-2017B-08 12/15/1999 0 - 2 ft.	SB-G11-2259-01 12/2/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	410 U	390 U	390 U	410 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 UJ	410 UJ	390 U	390 U	410 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	410 U	390 U	390 U	410 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	410 U	390 U	390 U	410 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	840 U	810 U	780 UJ	780 U	810 UJ	790 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	**4850**	390 U	**179 J**	410 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	410 U	390 U	390 U	410 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	790 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	810 U	780 U	780 U	810 U	790 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	840 UJ	810 UJ	780 U	780 U	810 UJ	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	840 U	820 U	780 U	780 U	810 U	400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	410 U	390 UJ	390 UJ	410 UJ	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	72 J	390 U	390 U	410 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	57 J	130 J	390 U	390 U	410 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	160 J	700	59 J	130 J	410 U	73 J
BENZO(a)PYRENE	UG/KG	100000	660	660	140 J	450 J	44 J	110 J	410 U	58 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	280 J	**1300 J**	97 J	170 J	410 U	130 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	420 UJ	200 J	390 U	390 U	410 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	100 J	450 J	390 U	390 U	410 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	410 U	390 U	390 U	410 U	400 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	410 U	390 U	390 U	410 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	57 J	170 J	390 U	410 U	52 J
CHRYSENE	UG/KG	500000	9000	40000	200 J	770	94 J	180 J	410 U	120 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	120 J	100 J	390 U	410 U	400 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-01 12/15/1999 0 - 1 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.	SB-G11-2017B-08 12/15/1999 0 - 2 ft.	SB-G11-2259-01 12/2/1999 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	410 UJ	100 J	390 U	410 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	89 J	390 U	390 U	410 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	410 U	390 U	38 J	410 U	400 UJ
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	320 J	930	98 J	220 J	410 U	170 J
FLUORENE	UG/KG	100000	2300000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	410 U	390 U	390 U	410 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	410 U	390 U	390 U	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	410 U	390 UJ	390 U	410 UJ	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 UJ	410 UJ	390 U	390 U	410 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	220 J	390 U	390 U	410 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	410 U	390 U	390 U	410 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	410 U	390 U	390 U	410 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	990	390 U	390 U	410 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 UJ	33 J	47 J	390 U	410 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	840 U	810 U	780 U	780 U	810 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	220 J	200 J	120 J	87 J	410 U	86 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	410 U	390 U	390 U	410 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	250 J	900	390 U	180 J	410 U	150 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-3-01 12/9/1999 0 - 0.5 ft.	SB-G11-3-01 9/13/2000 0 - 1.5 ft.	SB-G11-5-02 12/2/1999 0 - 1 ft.	SB-G11-66-03 12/9/1999 0 - 1.5 ft.	SB-G11-66-05 12/9/1999 0 - 0.5 ft.	SB-G11-8208-05 12/10/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	568 U	428 U	4000 U	420 U	420 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	568 U	428 U	4000 U	420 U	420 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	568 U	428 U	4000 U	420 U	420 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 UJ	420 UJ	420 UJ	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 UJ	NR	857 U	7900 U	830 U	840 U	800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**2400 J**	NR	428 U	4000 U	**250 J**	420 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	NR	428 U	7900 UJ	420 U	420 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 UJ	NR	857 U	7900 U	830 UJ	840 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	NR	857 U	7900 UJ	830 UJ	840 U	800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 UJ	NR	857 U	4000 U	830 UJ	840 U	800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	22 J	NR	428 U	4000 U	39 J	420 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	69 J	NR	428 U	4000 U	88 J	420 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	170 J	NR	428 U	4000 U	100 J	420 U	29 J
BENZIDINE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 J	NR	113 J	4000 U	460 J	64 J	82 J
BENZO(a)PYRENE	UG/KG	100000	660	660	260 J	NR	102 J	4000 U	360 J	51 J	120 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	650	NR	166 J	4000 U	690 J	120 J	340 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	330 J	420 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	200 J	NR	428 U	4000 U	NR	NR	95 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	240 J	NR	428 U	4000 U	310 J	420 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	NR	428 U	4000 U	420 UJ	420 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	85 J	NR	40.7 U	4000 U	110 U	34 U	400 U
CHRYSENE	UG/KG	500000	9000	40000	540	NR	157 J	4000 U	700 J	88 J	270 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	86 J	NR	428 U	4000 U	130 JB	420 U	93 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-3-01 12/9/1999 0 - 0.5 ft.	SB-G11-3-01 9/13/2000 0 - 1.5 ft.	SB-G11-5-02 12/2/1999 0 - 1 ft.	SB-G11-66-03 12/9/1999 0 - 1.5 ft.	SB-G11-66-05 12/9/1999 0 - 0.5 ft.	SB-G11-8208-05 12/10/1999 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	NR	428 U	4000 U	420 UJ	420 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	NR	428 U	4000 U	110 J	420 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	NR	428 U	4000 U	420 U	420 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	780	NR	245 J	4000 U	900	160 J	100 J
FLUORENE	UG/KG	100000	2300000	10000000	26 J	NR	428 U	4000 U	69 J	420 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	428 U	NR	420 U	420 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	568 U	428 U	4000 UJ	420 U	420 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	NR	428 U	4000 U	420 UJ	420 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	200 J	NR	428 U	4000 U	290 J	420 U	79 J
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	NR	428 UJ	4000 U	420 U	420 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	NR	428 U	4000 U	420 U	420 UJ	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	520	NR	27.9 J	4000 U	500	420 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	35 J	568 U	428 U	4000 U	71 J	420 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	NR	857 U	7900 U	830 U	840 U	800 U
PHENANTHRENE	UG/KG	NA	NA	NA	290 J	NR	138 J	4000 U	750	87 J	150 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	NR	428 U	4000 U	420 U	420 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	870	NR	298 J	4000 U	1600 J	120 J	120 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-03 12/7/1999 0 - 2 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.	SB-G11-9304-05 12/2/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	390 U	390 U	400 U	390 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	390 UJ	390 U	400 U	390 U	380 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	390 U	390 U	400 U	390 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	390 U	390 U	400 U	390 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 UJ	780 U	780 UJ	790 UJ	780 UJ	770 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	**101 J**	390 U	**95 J**	**270 J**	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	390 U	390 U	400 U	390 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	810 UJ	390 U	390 U	400 U	780 UJ	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 UJ	780 U	780 U	790 U	780 UJ	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	780 UJ	780 U	790 U	780 U	770 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	410 U	780 UJ	780 UJ	790 UJ	390 U	770 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	49 J	17 J	390 U	400 U	74 J	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	75 J	25 J	390 U	400 U	70 J	380 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	390 U	390 UJ	400 UJ	390 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	580	150 J	390 U	400 U	570	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	430 J	140 J	390 U	400 U	340 J	28 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1100 J**	230 J	390 U	400 U	780	380 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	120 J	390 U	400 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	260 J	NR	NR	NR	190 J	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 J	120 J	390 U	400 U	310 J	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	390 U	390 U	400 U	390 UJ	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	390 U	390 U	400 U	390 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	48 J	45 U	30 U	48 U	100 J	350 J
CHRYSENE	UG/KG	500000	9000	40000	920	180 J	390 U	46 J	720	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	97 JB	64 J	130 J	42 J	830

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-03 12/7/1999 0 - 2 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.	SB-G11-9304-05 12/2/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	390 UJ	390 U	400 U	390 U	380 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	110 J	390 UJ	390 U	400 U	390 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	390 U	390 U	400 U	390 UJ	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	630	320 J	390 UJ	400 UJ	970	380 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	390 U	400 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	390 U	390 U	400 U	390 U	380 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	390 UJ	390 U	400 U	390 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	390 U	390 U	400 U	390 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	280 J	95 J	390 U	400 U	200 J	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	390 U	390 U	400 U	390 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	390 U	390 U	400 U	390 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	390 U	390 U	200 J	330 J	560
NAPHTHALENE	UG/KG	100000	230000	4200000	71 J	390 U	390 U	400 U	390 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	780 U	780 UJ	790 UJ	780 U	770 U
PHENANTHRENE	UG/KG	NA	NA	NA	300 J	180 J	390 U	23 J	150 J	380 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	390 U	390 U	400 U	390 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	1200	350 J	390 UJ	400 UJ	820	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9305-02 12/7/1999 0 - 2 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	380 U	4200 U	390 U	400 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 UJ	380 U	4200 U	390 U	400 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	380 U	4200 UJ	390 UJ	400 UJ	390 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	380 U	4200 U	390 U	400 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	380 U	4200 U	390 U	400 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	910 U	760 UJ	8400 UJ	780 UJ	790 UJ	780 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**450 J**	380 U	**4500 J**	**1690**	**174 J**	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	380 U	4200 U	390 U	400 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	380 U	4200 U	390 U	400 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	380 U	4200 U	390 U	400 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	910 U	760 U	8400 U	780 U	790 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	910 U	760 U	8400 U	780 U	790 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	380 U	4200 U	390 U	400 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	380 U	4200 U	390 U	400 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	910 U	760 UJ	8400 UJ	780 UJ	790 UJ	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	160 J	380 U	420 J	61 J	40 J	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	140 J	380 U	320 J	60 J	31 J	110 J
BENZIDINE	UG/KG	NA	NA	NA	460 UJ	380 UJ	4200 U	390 U	400 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1700**	73 J	**2500 J**	380 J	160 J	35 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**1500**	56 J	**2000 J**	290 J	130 J	28 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4000**	140 J	**4200 J**	760 J	240 J	66 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	380 U	920 J	180 J	400 U	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	610 J	NR	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**930**	380 U	**2200 J**	280 J	170 J	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	380 U	4200 U	390 U	400 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	380 U	4200 U	390 U	400 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	460 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	86 J	120 U	670 J	48 J	52 J	32 J
CHRYSENE	UG/KG	500000	9000	40000	2000	140 J	3000 J	630	260 J	130 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	460 U	180 J	4200 U	48 J	46 J	390 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9305-02 12/7/1999 0 - 2 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	380 U	4200 UJ	390 UJ	400 UJ	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	270 J	380 U	4200 U	51 J	400 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	84 J	33 J	4200 U	20 J	400 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1400	140 J	2800 J	650	400	70 J
FLUORENE	UG/KG	100000	2300000	10000000	28 J	380 U	4200 U	390 U	400 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	380 U	4200 U	390 U	400 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	380 U	4200 U	390 U	400 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 U	380 U	4200 UJ	390 UJ	400 UJ	390 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	380 U	4200 U	390 U	400 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	660 J	380 U	**1100 J**	170 J	400 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 U	380 U	4200 U	390 U	400 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 UJ	380 U	4200 UJ	390 UJ	400 UJ	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	90 J	83 J	4200 U	390 U	400 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	99 J	380 U	4200 U	390 U	400 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	910 U	760 UJ	8400 U	780 U	790 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 J	120 J	820 J	310 J	260 J	110 J
PHENOL	UG/KG	50000	10000000	10000000	460 U	380 U	4200 U	390 U	400 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	1500	160 J	3300 J	610	330 J	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-12-01 12/2/1999 0 - 1 ft.	SB-G12-12-03 4/18/2000 0 - 1.5 ft.	SB-G12-6-03 6/15/2000 0 - 1 ft.	SB-G12-6-04 12/1/1999 0 - 0.5 ft.	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.	SB-G12-8109-02 12/10/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 UJ	NR	402 U	400 U	380 U	398 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	820 U	840 U	805 U	2000 UJ	1900 UJ	797 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	420 U	402 U	400 U	**60 J**	398 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	820 UJ	420 U	402 U	400 U	380 U	398 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	820 U	840 U	805 U	800 U	770 U	797 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	820 UJ	840 U	805 U	2000 U	1900 U	797 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	410 U	840 U	805 U	2000 UJ	1900 UJ	797 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	420 U	402 U	400 U	380 U	31.1 J	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	21 J	420 U	17.7 J	400 U	380 U	108 J	17 J
ANTHRACENE	UG/KG	100000	10000000	10000000	37 J	420 U	28.2 J	400 U	32 J	179 J	48 J
BENZIDINE	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	100 J	420 U	110 J	110 J	130 J	**1000**	180 J
BENZO(a)PYRENE	UG/KG	100000	660	660	95 J	420 U	99.4 J	450 J	130 J	**939**	160 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	160 J	420 U	155 J	780 J	200 J	**1300**	220 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	420 U	130 J	460 J	380 U	595	95 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	420 U	402 U	150 J	60 J	680	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	420 U	402 U	400 U	380 U	398 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	420 UJ	402 U	400 U	380 U	398 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	420 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	66 J	32 J	45.9 J	56 U	96 U	398 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	140 J	420 U	102 J	330 J	160 J	1310	200 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	420 U	116 J	230 J	810	398 U	390 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-12-01 12/2/1999 0 - 1 ft.	SB-G12-12-03 4/18/2000 0 - 1.5 ft.	SB-G12-6-03 6/15/2000 0 - 1 ft.	SB-G12-6-04 12/1/1999 0 - 0.5 ft.	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.	SB-G12-8109-02 12/10/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 UJ	402 U	400 UJ	380 U	398 U	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	420 U	402 U	340 J	380 U	155 J	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	141 J	210 J	820	398 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	200 J	420 U	171 J	130 J	210 J	2600	390 J
FLUORENE	UG/KG	100000	2300000	10000000	410 U	420 U	402 U	400 U	380 U	40.6 J	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	420 U	402 U	400 U	380 U	398 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 UJ	420 UJ	402 U	400 U	380 U	398 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	420 UJ	402 U	400 UJ	380 UJ	398 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	420 U	95.8 J	310 J	380 U	563	89 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	420 U	402 U	400 U	380 U	398 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	420 UJ	402 U	400 U	380 U	398 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	420 U	183 J	390 J	1100	398 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	420 U	402 U	400 U	81 J	398 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	820 U	840 U	805 U	2000 U	1900 U	797 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	120	420 U	81.3 J	82 J	110 J	896	270 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	420 U	402 U	400 U	380 U	398 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	240 J	420 U	165 J	180 J	280 J	1980	390

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-8203-01 12/1/1999 0 - 2 ft.	SB-G12-8203-03 12/1/1999 0 - 2 ft.	SB-G8-A12-01 6/15/2000 0 - 0.75 ft.	SB-G8-A12-05 12/16/1999 0 - 1 ft.	SB-G9-1-02 12/10/1999 0 - 1 ft.	SB-G9-15-01 12/10/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 UJ	410 UJ	420 U	390 UJ	440 U	400 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	410 U	420 U	390 U	440 U	400 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 UJ	2000 U	840 U	780 U	880 U	790 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 UJ	410 U	420 U	390 U	440 U	400 UJ
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	410 U	420 U	390 U	440 U	400 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	810 U	840 U	780 U	880 U	790 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 U	2000 U	840 U	780 UJ	880 U	790 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	410 U	420 U	390 U	440 U	400 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	410 U	420 U	390 U	440 U	400 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 UJ	2000 U	840 U	780 U	880 U	790 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 UJ	410 U	420 U	390 U	440 U	400 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	64 J	410 UJ	420 U	390 U	440 U	400 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	29 J	26 J	420 U	390 UJ	440 U	400 UJ
BENZIDINE	UG/KG	NA	NA	NA	420 U	410 U	420 UJ	390 U	440 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	310 J	130 J	420 U	59 J	46 J	44 J
BENZO(a)PYRENE	UG/KG	100000	660	660	330 J	150 J	420 U	59 J	40 J	35 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	560	310 J	420 U	110 J	440 U	400 UJ
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	180 J	NR	NR	390 UJ	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	410 U	420 U	NR	440 U	400 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	240 J	97 J	420 U	390 U	440 U	400 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	410 U	420 U	390 U	440 U	400 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	410 U	420 U	390 U	440 U	400 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	110 U	200 JB	420 U	38 J	440 U	400 UJ
CHRYSENE	UG/KG	500000	9000	40000	430	170 J	420 U	62 J	51 J	66 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	240 J	180 J	420 U	390 U	100 J	400 UJ

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-8203-01 12/1/1999 0 - 2 ft.	SB-G12-8203-03 12/1/1999 0 - 2 ft.	SB-G8-A12-01 6/15/2000 0 - 0.75 ft.	SB-G8-A12-05 12/16/1999 0 - 1 ft.	SB-G9-1-02 12/10/1999 0 - 1 ft.	SB-G9-15-01 12/10/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	410 U	420 U	390 U	440 U	400 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	410 U	420 U	390 U	440 U	400 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	55 J	410 U	420 U	390 U	440 U	400 UJ
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 J	260 J	420 U	93 J	440 U	100 J
FLUORENE	UG/KG	100000	2300000	10000000	420 UJ	410 U	420 U	390 U	440 U	400 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	410 U	420 U	390 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 UJ	410 UJ	420 U	390 UJ	440 U	400 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	160 J	410 U	420 U	390 U	440 U	400 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 UJ	410 UJ	420 UJ	390 U	440 U	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	410 U	420 U	390 U	440 U	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	140 J	410 U	420 U	390 U	160 J	400 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	420 UJ	410 UJ	420 U	390 UJ	440 U	400 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	2000 U	840 U	780 U	880 U	790 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	120 J	140 J	420 U	31 J	50 J	70 J
PHENOL	UG/KG	50000	10000000	10000000	420 UJ	410 UJ	420 U	390 U	440 U	400 UJ
PYRENE	UG/KG	100000	1700000	10000000	870	360 J	420 U	390 U	440 U	140 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-15-02 6/15/2000 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8105-05 6/23/2000 0 - 1 ft.	SB-G9-8107-02 11/23/1999 0 - 1 ft.	SB-G9-8107-05 11/23/1999 0 - 2 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	513 U	410 U	390 U	410 U	430 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	513 U	410 UJ	390 U	410 UJ	430 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	513 UJ	410 UJ	NR	410 UJ	430 U	370 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	513 U	410 U	390 U	410 U	430 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	513 U	410 U	390 U	410 U	430 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1030 UJ	2000 U	780 U	2100 U	2200 U	1900 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	513 U	**109 J**	390 U	410 U	430 U	**63 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	513 U	410 U	390 U	410 U	430 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	513 U	410 U	390 U	410 U	430 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	513 U	410 U	NR	410 U	430 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1030 UJ	810 U	780 U	820 U	870 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1030 UJ	2000 U	780 U	2100 U	2200 U	1900 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	513 U	410 U	390 U	410 U	430 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	513 U	410 U	390 U	410 U	430 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1030 U	2000 U	NR	2100 U	2200 U	1900 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	513 U	410 UJ	390 U	410 UJ	430 UJ	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	55.4 J	53 J	390 U	410 U	430 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	30.3 J	38 J	390 U	410 U	430 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	513 U	410 U	390 UJ	410 U	430 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	163 J	110 J	79.23 J	59 J	430 U	32 J
BENZO(a)PYRENE	UG/KG	100000	660	660	199 J	86 J	84.69 J	55 J	430 U	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	277 J	190 J	108 J	110 J	430 U	72 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	149 J	410 UJ	390 U	410 U	430 U	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	513 U	410 UJ	390 U	410 U	430 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	513 U	410 UJ	390 U	410 UJ	430 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	513 U	410 U	390 U	410 U	430 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	513 U	410 U	390 U	410 U	430 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	390 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	513 U	270 J	390 U	59 J	54 J	51 J
CHRYSENE	UG/KG	500000	9000	40000	251 J	160 J	94.06 J	99 J	430 U	96 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	513 U	420 J	390 U	160 J	120 J	46 J

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-15-02 6/15/2000 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8105-05 6/23/2000 0 - 1 ft.	SB-G9-8107-02 11/23/1999 0 - 1 ft.	SB-G9-8107-05 11/23/1999 0 - 2 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	513 U	410 UJ	390 U	410 UJ	430 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	513 U	410 UJ	390 U	410 U	430 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	513 U	39 J	390 U	410 UJ	430 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	341 J	190 J	117 J	120 J	430 U	72 J
FLUORENE	UG/KG	100000	2300000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	513 U	410 UJ	NR	410 U	430 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	513 U	410 UJ	390 U	410 UJ	430 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	513 U	410 U	390 U	410 UJ	430 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	513 U	410 U	390 U	410 UJ	430 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	127 J	410 UJ	390 U	410 U	430 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	513 U	410 U	390 U	410 U	430 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	513 UJ	410 U	390 U	410 U	430 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	513 UJ	410 U	390 U	410 U	430 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	513 U	130 J	390 U	410 U	430 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	513 U	31 J	390 U	410 UJ	430 UJ	370 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1030 U	2000 U	780 U	2100 U	2200 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	173 J	130 J	45.7 J	27 J	430 U	100 J
PHENOL	UG/KG	50000	10000000	10000000	513 U	410 UJ	390 U	410 UJ	430 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	367 J	280 J	114 J	130 J	430 UJ	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8182-05 11/22/1999 0 - 1 ft.	SB-G9-8187-01 12/9/1999 0 - 1 ft.	SB-G9-8187-02 6/15/2000 0 - 1 ft.	SB-G9-8205-02 6/15/2000 0 - 1.25 ft.	SB-G9-8205-05 12/9/1999 0 - 0.5 ft.	SB-G9-8207-04 12/2/1999 0 - 2 ft.	SB-G9-8207-05 12/2/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	420 U	383 U	385 U	370 U	380 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	420 U	383 UJ	385 U	370 UJ	380 U	370 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 UJ	830 U	765 UJ	771 U	740 U	770 UJ	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**69 J**	**88 J**	383 U	385 U	370 U	**40 J**	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 U	370 U	770 UJ	740 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	830 U	765 UJ	771 U	740 U	760 UJ	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 UJ	830 U	765 UJ	771 U	740 U	770 U	740 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 U	370 U	380 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 U	370 U	380 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	830 UJ	765 U	771 U	740 U	380 U	370 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 UJ	420 U	383 U	385 U	370 U	21 J	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	45 J	383 U	385 U	370 U	150 J	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	29 J	29 J	383 U	34.7 J	370 U	160 J	370 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 UJ	370 U	380 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	81 J	210 J	383 U	159 J	370 U	540	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	83 J	230 J	383 U	141 J	370 U	340 J	27 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	120 J	440	383 U	183 J	370 U	620	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	120 J	NR	NR	370 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 UJ	NR	383 U	385 U	NR	290 J	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	40 J	170 J	383 U	385 U	370 U	180 J	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	420 U	383 U	385 U	370 U	380 UJ	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	420 U	383 U	385 U	370 U	380 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440	88 U	24.5 J	385 U	20 U	370 J	37 J
CHRYSENE	UG/KG	500000	9000	40000	120 J	340 J	383 U	147 J	370 U	590	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	100 J	86 U	383 U	385 U	370 U	340 J	260 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8182-05 11/22/1999 0 - 1 ft.	SB-G9-8187-01 12/9/1999 0 - 1 ft.	SB-G9-8187-02 6/15/2000 0 - 1 ft.	SB-G9-8205-02 6/15/2000 0 - 1.25 ft.	SB-G9-8205-05 12/9/1999 0 - 0.5 ft.	SB-G9-8207-04 12/2/1999 0 - 2 ft.	SB-G9-8207-05 12/2/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	420 U	383 U	385 U	370 U	380 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 UJ	420 U	383 U	385 U	370 U	83 J	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	72 J	383 U	385 U	370 U	69 J	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	150 J	460	383 U	405	370 U	980	370 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	420 U	383 U	385 U	370 U	45 J	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	420 U	383 U	385 U	370 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	420 U	383 U	385 U	370 U	380 U	370 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 UJ	97 J	383 U	385 U	370 U	220 J	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	420 U	383 UJ	385 UJ	370 U	380 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	420 U	383 UJ	385 U	370 UJ	380 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	110 J	383 U	385 U	370 U	380 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	420 U	383 U	385 U	370 U	38 J	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	830 U	765 U	771 U	740 U	770 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	110 J	280 J	383 U	305 J	370 U	470	370 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	420 U	383 U	385 U	370 U	380 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	220 J	600	383 U	351 J	370 U	1400	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8267-04 11/23/1999 0 - 2 ft.	SB-G9-9321-02 12/9/1999 0 - 1 ft.	SB-G9-9321-08 12/9/1999 0 - 1 ft.	SB-H10-1-02 12/9/1999 0 - 0.5 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-10-06 12/3/1999 0 - 1.5 ft.	SB-H10-10-07 12/3/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	420 U	390 U	558 U	3900 U	380 U	4200 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	420 U	390 U	558 U	3900 U	380 U	4200 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	420 U	390 U	NR	3900 U	380 U	4200 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	420 U	390 U	558 U	3900 U	380 U	4200 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	420 U	390 U	558 U	3900 U	380 U	4200 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 UJ	420 UJ	390 UJ	NR	3900 UJ	380 UJ	4200 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	830 U	780 U	NR	7800 UJ	760 UJ	8300 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**328 J**	**124 J**	390 U	NR	3900 U	380 U	4200 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	830 U	780 U	NR	7800 U	760 U	8300 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	830 UJ	780 U	NR	7800 U	760 U	8300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	830 UJ	780 U	NR	7800 UJ	760 UJ	8300 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 UJ	420 U	390 U	NR	3900 U	380 U	4200 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	22 J	23 J	390 U	NR	170 J	43 J	4200 U
ANTHRACENE	UG/KG	100000	10000000	10000000	33 J	420 U	390 U	NR	3900 U	380 U	4200 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	210 J	110 J	46 J	NR	870 J	62 J	350 J
BENZO(a)PYRENE	UG/KG	100000	660	660	200 J	77 J	40 J	NR	**770 J**	82 J	460 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	270 J	240 J	85 J	NR	**1600 J**	130 J	790 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	420 U	390 U	NR	3900 U	190 J	4200 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	NR	NR	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	100 J	420 U	390 U	NR	**930 J**	55 J	4200 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4500
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	78 J	29 U	28 U	NR	620 J	30 J	750 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	240 J	72 J	NR	1500 J	120 J	470 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 J	71 U	35 U	NR	1100 J	380 U	1100 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8267-04 11/23/1999 0 - 2 ft.	SB-G9-9321-02 12/9/1999 0 - 1 ft.	SB-G9-9321-08 12/9/1999 0 - 1 ft.	SB-H10-1-02 12/9/1999 0 - 0.5 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-10-06 12/3/1999 0 - 1.5 ft.	SB-H10-10-07 12/3/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	420 U	390 U	NR	3900 UJ	380 UJ	4200 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	420 U	390 U	NR	410 J	380 U	4200 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	340 J	260 J	130 J	NR	1400 J	160 J	4200 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 UJ	420 U	390 U	558 U	3900 U	380 U	4200 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	420 UJ	390 U	NR	3900 UJ	380 UJ	4200 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 UJ	420 U	390 U	NR	3900 U	380 U	4200 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	420 U	390 U	NR	3900 U	150 J	4200 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	420 U	390 U	NR	3900 U	380 U	4200 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	420 U	390 UJ	NR	3900 UJ	380 UJ	4200 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	97 J	390 U	NR	1300 J	380 U	2800 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 UJ	29 J	390 U	558 U	3900 U	380 U	4200 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	830 U	780 U	NR	7800 U	760 U	8300 U
PHENANTHRENE	UG/KG	NA	NA	NA	130 UJ	140 J	47 J	NR	410 J	80 J	4200 U
PHENOL	UG/KG	50000	10000000	10000000	400 UJ	420 U	390 U	NR	3900 U	380 U	4200 U
PYRENE	UG/KG	100000	1700000	10000000	290 J	240 J	120 J	NR	1500 J	130 J	4200 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 UJ	4400 U	410 U	354 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	470 U	410 UJ	390 UJ	400 UJ	4400 UJ	410 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	940 U	820 U	780 UJ	800 UJ	8800 UJ	820 UJ	708 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**770 J**	**5000**	**9400**	**80400 #D**	4400 U	**430 J**	354 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
2-NITROPHENOL	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 U	4400 U	410 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	940 U	820 U	780 U	800 U	8800 U	820 UJ	708 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	940 U	820 UJ	780 U	800 UJ	8800 U	820 U	708 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
4-NITROPHENOL	UG/KG	NA	NA	NA	940 UJ	820 UJ	780 UJ	800 U	8800 UJ	820 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	25 J	410 U	390 U	400 U	4400 U	410 U	354 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	200 J	410 U	75 J	65 J	4400 U	37 J	354 U
ANTHRACENE	UG/KG	100000	10000000	10000000	240 J	410 U	64 J	55 J	4400 U	31 J	354 U
BENZIDINE	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 UJ	4400 U	410 U	354 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1600**	240 J	480	210 J	620 J	170 J	125 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**1200**	170 J	210 J	330 J	610 J	150 J	119 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**3700**	310 J	**1200 J**	620	**1300 J**	350 J	271 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	560	410 U	210 J	400 UJ	4400 U	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	130 J	89.87 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1100**	410 U	350 J	510	4400 U	120 J	89.87 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	470 U	410 U	390 U	400 U	4400 U	410 UJ	354 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	354 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	87 U	63 U	780	52 J	4400 U	94 J	25.47 J
CHRYSENE	UG/KG	500000	9000	40000	2400	470	950	700	890 J	280 J	264 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	63 U	58 U	240 J	49 J	1200 J	53 J	49.53 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	470 U	410 U	390 UJ	400 UJ	4400 UJ	410 U	354 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	220 J	410 U	120 J	400 U	4400 U	410 U	354 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	67 J	410 U	390 U	400 U	4400 U	410 UJ	354 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	2600	230 J	970	740	950 J	380 J	525
FLUORENE	UG/KG	100000	2300000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	470 U	410 U	390 U	400 U	4400 U	NR	354 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	470 U	410 UJ	390 UJ	400 UJ	4400 UJ	410 U	354 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	590	410 U	230 J	110 J	4400 U	120 J	84.91 J
ISOPHORONE	UG/KG	50000	1100000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	470 U	410 U	390 UJ	400 UJ	4400 U	410 U	354 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	470 U	410 U	390 U	400 UJ	4400 UJ	410 U	354 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	470 U	410 U	390 U	400 UJ	580 J	410 U	354 U
NAPHTHALENE	UG/KG	100000	230000	4200000	60 J	36 J	29 J	45 J	4400 U	410 U	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	940 U	820 U	780 U	790 U	8800 U	820 U	708 U
PHENANTHRENE	UG/KG	NA	NA	NA	630	350 J	690	660	390 J	170 J	310 J
PHENOL	UG/KG	50000	10000000	10000000	470 U	410 U	390 U	400 U	4400 U	410 U	354 U
PYRENE	UG/KG	100000	1700000	10000000	2900	170 J	720	1100	4400 U	320 J	236 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-2003-01 12/10/1999 0 - 1.3 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-267-01 12/10/1999 0 - 1 ft.	SB-H10-269-03 12/8/1999 0 - 1 ft.	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	380 U	390 UJ	410 U	410 UJ	410 U	390 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	380 UJ	390 U	410 U	410 U	410 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	1900 U	780 U	810 U	810 U	810 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	380 U	**29 J**	410 U	410 U	**660 J**	**4740**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	770 U	780 U	810 U	810 U	810 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	1900 U	780 U	810 U	810 U	810 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	380 U	390 U	410 U	410 UJ	410 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	1900 UJ	780 UJ	810 U	810 UJ	810 U	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	380 U	390 UJ	410 U	410 UJ	410 U	390 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	31 J	31 J	410 U	45 J	33 J	18 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	27 J	40 J	410 U	30 J	36 J	390 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	380 U	390 UJ	410 U	410 U	410 U	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	76 J	130 J	350 J	75 J	260 J	500	150 J
BENZO(a)PYRENE	UG/KG	100000	660	660	61 J	180 J	270 J	60 J	230 J	550	110 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	170 J	430 J	630	120 J	440	730	280 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	100 J	NR	NR	140 J	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	NR	150 J	410 U	NR	530	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	150 J	250 J	410 U	130 J	190 J	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	380 U	1800	410 U	410 U	410 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 U	410 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	180 J	4100 B	1200 B	74 J	46 U	410 U	38 U
CHRYSENE	UG/KG	500000	9000	40000	130 J	250 J	410	120 J	430	990	320 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 J	490	1300	94 J	130 J	200 J	56 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-2003-01 12/10/1999 0 - 1.3 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-267-01 12/10/1999 0 - 1 ft.	SB-H10-269-03 12/8/1999 0 - 1 ft.	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	380 UJ	390 U	410 U	410 U	410 U	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	380 UJ	390 U	410 U	410 U	460	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	380 U	36 J	410 U	410 U	410 U	93 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	100 J	190 J	570	150 J	480	220 J	180 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	380 U	NR	NR	410 U	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	380 UJ	390 U	410 U	410 U	410 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	95 J	150 J	410 U	130 J	310 J	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	380 U	390 U	410 U	410 U	410 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	380 U	390 U	410 U	410 UJ	410 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	380 U	71 J	410 U	410 U	410 U	82 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	380 U	390 U	410 U	410 U	410 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	1900 U	780 U	810 U	810 U	810 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	45 J	86 J	210 J	72 J	160 J	150 J	110 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	380 U	240 J	410 U	410 U	410 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	290 J	620	130 J	420	270 J	160 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-8225-03 12/9/1999 0 - 1 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 UJ	380 UJ	NR	370 U	426 U	460 UJ	4500 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	770 U	726 U	750 U	853 U	930 UJ	9000 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**60 J**	380 U	363 U	**130 J**	**113 J**	**161 J**	**400 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	380 U	NR	370 U	426 U	460 U	4500 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	770 U	726 U	750 U	853 U	930 U	9000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 UJ	770 U	726 U	750 U	853 U	930 U	9000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	380 U	363 U	370 UJ	426 U	460 U	4500 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 UJ	770 U	NR	750 UJ	853 U	930 UJ	9000 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	380 U	363 U	42 J	426 U	460 U	4500 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	22 J	363 U	100 J	178 J	25 J	210 J
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	380 U	63.53 J	130 J	176 J	36 J	4500 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	380 U	363 UJ	370 U	426 U	460 U	4500 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	61 J	150 J	411	**2100**	628	160 J	**950 J**
BENZO(a)PYRENE	UG/KG	100000	660	660	41 J	130 J	242 J	**1700 J**	445	160 J	**720 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	110 J	350 J	516	**4000 J**	**1180**	360 J	**2400 J**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	400 U	380 U	NR	850 J	NR	460 U	4500 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	146 J	NR	349 J	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	96 J	187 J	**1400 J**	366 J	120 J	4500 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	380 U	363 U	130 J	426 U	460 U	4500 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	363 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	63 U	44.29 J	86 U	43.9 J	39 J	4500 U
CHRYSENE	UG/KG	500000	9000	40000	110 J	240 J	361 J	2200	981	270 J	2000 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	380 U	363 U	61 J	52.9 J	96 J	4500 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-8225-03 12/9/1999 0 - 1 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	380 U	363 U	370 UJ	426 U	460 UJ	4500 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	380 U	363 U	280 J	113 J	460 U	4500 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	380 U	363 U	34 J	426 U	460 U	4500 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	150 J	270 J	570	2100	1240	450 J	2800 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	380 U	363 U	35 J	426 U	460 U	4500 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	380 U	363 U	170 J	426 U	460 U	4500 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	380 U	363 U	370 UJ	426 U	460 UJ	4500 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	76 J	145 J	880 J	327 J	89 J	4500 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	380 U	363 U	370 U	426 U	460 U	4500 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	380 UJ	363 U	370 U	426 U	460 UJ	4500 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	380 U	NR	77 J	37.5 J	460 U	4500 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	770 U	726 U	750 U	853 U	930 U	9000 U
PHENANTHRENE	UG/KG	NA	NA	NA	87 J	100 J	70.79 J	820	317 J	210 J	780 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	380 U	363 U	370 U	426 U	460 U	4500 U
PYRENE	UG/KG	100000	1700000	10000000	140 J	250 J	529	3100	1020	380 J	2800 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9101-02 6/23/2000 0 - 1 ft.	SB-H10-9101-03 12/14/1999 0 - 1 ft.	SB-H10-9102-03 12/9/1999 0 - 1.5 ft.	SB-H10-9103-01 12/1/1999 0 - 1 ft.	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	386 U	410 U	390 U	370 U	390 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	386 U	410 U	390 U	370 U	390 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	386 UJ	410 U	390 U	370 U	390 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	386 U	410 U	390 U	370 U	390 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	386 U	410 U	390 U	370 U	390 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	410 UJ	390 U	370 U	390 U	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	386 U	410 U	390 U	370 U	390 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	386 U	410 U	390 U	370 U	390 UJ	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	386 UJ	410 U	390 U	370 U	NR	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	771 U	810 U	780 U	1800 UJ	1900 U	1900 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	386 U	410 U	390 U	**166 J**	**382 J**	**3430 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	386 U	410 U	390 U	370 U	390 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	386 U	410 U	390 U	370 U	390 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	410 U	390 U	370 U	390 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	771 U	810 U	780 U	730 U	780 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	771 U	810 U	780 U	1800 U	1900 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	386 U	410 U	390 U	370 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	386 UJ	410 U	390 U	370 U	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	386 U	410 U	390 U	370 U	390 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	810 UJ	780 UJ	1800 UJ	1900 UJ	1900 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	386 U	410 UJ	390 U	370 U	390 U	38 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	386 U	20 J	39 J	16 J	57 J	140 J
ANTHRACENE	UG/KG	100000	10000000	10000000	386 U	410 U	24 J	29 J	98 J	160 J
BENZIDINE	UG/KG	NA	NA	NA	386 UJ	410 U	390 U	370 U	390 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	109 J	110 J	180 J	130 J	560	**1100**
BENZO(a)PYRENE	UG/KG	100000	660	660	99.11 J	89 J	160 J	120 J	630 J	**800**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	151 J	230 J	420	280 J	**1200**	**1700**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	100 J	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	386 U	410 U	NR	370 UJ	410 J	320 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	386 U	410 U	100 J	97 J	620	770
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	386 UJ	410 U	390 U	370 U	390 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	386 U	410 U	390 U	370 U	390 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	386 UJ	410 U	390 U	370 U	390 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	386 U	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	386 U	110 U	44 U	170 U	240 U	57 U
CHRYSENE	UG/KG	500000	9000	40000	115 J	240 J	310 J	200 J	720	1000
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	386 UJ	410 U	390 U	180 J	130 J	98 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9101-02 6/23/2000 0 - 1 ft.	SB-H10-9101-03 12/14/1999 0 - 1 ft.	SB-H10-9102-03 12/9/1999 0 - 1.5 ft.	SB-H10-9103-01 12/1/1999 0 - 1 ft.	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	386 U	140 J	390 U	370 UJ	390 UJ	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	386 U	410 U	390 U	370 UJ	160 J	130 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	386 UJ	410 U	390 U	300 J	390 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	386 U	410 U	390 U	26 J	390 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	152 J	300 J	410	200 J	850	1300
FLUORENE	UG/KG	100000	2300000	10000000	386 U	410 U	390 U	370 U	28 J	36 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	390 U	370 U	390 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	386 U	410 U	390 U	370 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	386 U	410 U	390 U	370 UJ	390 UJ	390 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	386 UJ	410 U	390 U	370 U	390 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	386 U	410 U	93 J	75 J	390 J	350 J
ISOPHORONE	UG/KG	50000	1100000	10000000	386 U	410 U	390 U	370 U	390 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	386 U	410 U	390 U	370 U	390 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	386 UJ	410 U	390 U	370 U	390 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	386 U	410 U	390 U	190 J	390 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	386 U	410 U	28 J	370 U	33 J	110 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	771 U	810 U	780 U	1800 U	1900 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	70.95 J	310 J	240 J	89 J	310 J	300 J
PHENOL	UG/KG	50000	10000000	10000000	386 U	410 U	390 U	370 U	390 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	131 J	260 J	330 J	240 J	1600	1500

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9104-02 12/1/1999 0 - 1 ft.	SB-H10-9308-02 12/3/1999 0 - 2 ft.	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-10-02 12/9/1999 0 - 1 ft.	SB-H11-2-02 12/8/1999 0 - 1.3 ft.	SB-H11-2-03 6/15/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	370 UJ	390 UJ	390 UJ	390 UJ	410 U	404 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 UJ	750 UJ	781 UJ	780 UJ	780 U	810 UJ	807 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	370 U	390 U	**2010 J**	390 U	410 U	404 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	750 U	781 UJ	780 U	780 U	810 U	807 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	750 U	781 UJ	780 U	780 UJ	810 U	807 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	370 U	390 U	390 U	390 U	410 UJ	404 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 UJ	750 UJ	781 U	780 UJ	780 UJ	810 UJ	807 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	370 U	390 U	390 U	390 U	410 UJ	404 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	27 J	370 U	207 J	33 J	28 J	410 U	404 U
ANTHRACENE	UG/KG	100000	10000000	10000000	67 J	370 U	199 J	58 J	390 U	410 U	404 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 UJ	404 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	700	370 U	**1450**	**900**	130 J	50 J	404 U
BENZO(a)PYRENE	UG/KG	100000	660	660	410 J	370 U	**1240**	**820 J**	120 J	53 J	40.4 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1500 J**	370 U	**1820**	**1600 J**	220 J	130 J	69 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	240 J	370 U	NR	550 J	100 J	410 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	390 U	NR	NR	NR	404 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	310 J	370 U	642	330 J	390 U	410 U	404 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	590	370 U	390 U	390 U	390 U	410 U	404 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	370 U	390 U	390 U	390 U	410 U	404 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2400 B	36 J	390 U	130 J	28 U	43 U	404 U
CHRYSENE	UG/KG	500000	9000	40000	690	370 U	1420	2000	190 J	120 J	116 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 J	370 U	390 U	310 J	390 U	130 J	158 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9104-02 12/1/1999 0 - 1 ft.	SB-H10-9308-02 12/3/1999 0 - 2 ft.	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-10-02 12/9/1999 0 - 1 ft.	SB-H11-2-02 12/8/1999 0 - 1.3 ft.	SB-H11-2-03 6/15/2000 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	370 UJ	390 U	390 UJ	390 U	410 U	404 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	370 U	390 U	460 J	390 U	410 U	404 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	370 U	390 U	160 J	390 U	410 U	404 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1800	370 U	1920	400	280 J	85 J	404 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	370 U	80.8 J	390 U	390 U	410 U	404 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	370 UJ	390 U	390 UJ	390 UJ	410 U	404 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	240 J	370 U	390 U	410 J	94 J	410 U	404 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	370 U	390 UJ	390 UJ	390 U	410 U	404 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	370 UJ	390 UJ	390 U	390 U	410 U	404 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	370 U	390 U	450	390 U	410 U	404 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	750 U	781 U	780 U	780 U	810 U	807 U
PHENANTHRENE	UG/KG	NA	NA	NA	180 J	370 U	1130	220 J	140 J	83 J	81.5 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	370 U	390 U	390 U	390 U	410 U	404 U
PYRENE	UG/KG	100000	1700000	10000000	2400	370 U	1890	480	280 J	410 UJ	404 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-2295-01 6/15/2000 0 - 1 ft.	SB-H11-2295-02 12/3/1999 0 - 1 ft.	SB-H11-2319-02 6/23/2000 0 - 1.25 ft.	SB-H11-2319-04 12/9/1999 0 - 1.3 ft.	SB-H11-3-02 12/10/1999 0 - 1.3 ft.	SB-H11-3-03 6/23/2000 0 - 1 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	412 UJ	420 UJ	NR	380 UJ	410 U	NR	410 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	823 UJ	830 UJ	854 U	770 U	810 U	865 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	412 U	420 U	427 U	380 U	**44 J**	433 U	**1330 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	412 U	420 U	NR	380 U	410 U	NR	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	823 UJ	830 U	854 U	770 U	810 U	865 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	823 UJ	830 U	854 U	770 UJ	810 U	865 U	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	823 U	830 UJ	NR	770 UJ	810 U	NR	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	412 U	33 J	427 U	18 J	30 J	433 U	120 J
ANTHRACENE	UG/KG	100000	10000000	10000000	412 U	28 J	427 U	380 U	43 J	433 U	170 J
BENZIDINE	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 UJ	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	412 U	200 J	427 U	80 J	150 J	201 J	890
BENZO(a)PYRENE	UG/KG	100000	660	660	412 U	180 J	427 U	57 J	140 J	202 J	530
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	412 U	440 J	427 U	140 J	320 J	432 J	**1600**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	110 J	NR	380 UJ	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	412 U	NR	427 U	NR	110 J	127 J	370 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	412 U	110 J	427 U	380 UJ	110 J	129 J	520
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	412 U	420 U	427 U	380 U	410 U	433 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	427 U	NR	NR	433 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	412 U	190 J	427 U	36 U	62 J	433 U	410 U
CHRYSENE	UG/KG	500000	9000	40000	412 U	260 J	427 U	100 J	320 J	342 J	1400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	412 U	140 J	427 U	180 JB	64 J	433 U	100 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-2295-01 6/15/2000 0 - 1 ft.	SB-H11-2295-02 12/3/1999 0 - 1 ft.	SB-H11-2319-02 6/23/2000 0 - 1.25 ft.	SB-H11-2319-04 12/9/1999 0 - 1.3 ft.	SB-H11-3-02 12/10/1999 0 - 1.3 ft.	SB-H11-3-03 6/23/2000 0 - 1 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	412 U	420 UJ	427 U	380 UJ	410 U	433 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	412 U	420 UJ	427 U	380 UJ	410 U	433 U	150 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	412 U	260 J	427 U	150 J	290 J	369 J	1200
FLUORENE	UG/KG	100000	2300000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	412 U	420 U	NR	380 U	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	412 U	420 UJ	427 U	380 UJ	410 U	433 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	412 U	110 J	427 U	380 UJ	100 J	110 J	370 J
ISOPHORONE	UG/KG	50000	1100000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	412 UJ	420 UJ	427 U	380 U	410 U	433 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	412 UJ	420 U	427 U	380 U	410 U	433 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	412 U	97 J	427 U	380 U	410 U	433 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	412 U	48 J	427 U	380 U	410 U	433 U	41 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	823 U	830 U	854 U	770 U	810 U	865 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	412 U	130 J	427 U	100 J	220 J	141 J	570
PHENOL	UG/KG	50000	10000000	10000000	412 U	420 U	427 U	380 U	410 U	433 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	412 U	400 J	427 U	180 J	260 J	315 J	1100

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-510-01 6/15/2000 0 - 1.25 ft.	SB-H11-510-03 12/3/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.	SB-H11-696-01 7/13/2000 0 - 0.5 ft.	SB-H11-696-02 9/27/2000 0 - 0.5 ft.	SB-H11-697-01 12/8/1999 0 - 2 ft.	SB-H11-697-02 6/15/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	405 U	390 U	410 U	346 U	431 U	440 U	379 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	405 UJ	390 UJ	410 UJ	NR	431 U	440 U	379 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	809 UJ	780 UJ	810 UJ	693 U	861 U	880 UJ	758 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
2-NITROPHENOL	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	NR	431 U	440 U	379 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	809 UJ	780 U	810 UJ	693 U	861 UJ	880 U	758 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	809 UJ	780 U	810 UJ	693 U	861 U	880 U	758 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 UJ	379 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
4-NITROPHENOL	UG/KG	NA	NA	NA	809 U	780 UJ	810 UJ	NR	861 U	880 UJ	758 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 UJ	379 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	405 U	20 J	110 J	346 U	431 U	18 J	379 U
ANTHRACENE	UG/KG	100000	10000000	10000000	405 U	23 J	96 J	346 U	431 U	440 U	379 U
BENZIDINE	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 UJ	379 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	144 J	76 J	890 J	88.34 J	190 J	110 J	65.6 J
BENZO(a)PYRENE	UG/KG	100000	660	660	142 J	77 J	**700 J**	62.36 J	68 J	100 J	80.8 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	250 J	190 J	**1700 J**	165 J	180 J	220 J	146 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	390 U	400 J	NR	NR	440 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	87.8 J	NR	NR	346 U	431 U	NR	379 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	405 U	65 J	760 J	346 U	34 J	440 U	379 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	405 U	390 U	410 UJ	346 U	431 UJ	440 U	379 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	346 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	23.5 J	120 J	56 J	35.34 J	35.7 J	77 U	19 J
CHRYSENE	UG/KG	500000	9000	40000	193 J	220 J	1300 J	207 J	158 J	200 J	100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	405 U	44 J	36 J	73.1 J	431 U	140 J	379 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-510-01 6/15/2000 0 - 1.25 ft.	SB-H11-510-03 12/3/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.	SB-H11-696-01 7/13/2000 0 - 0.5 ft.	SB-H11-696-02 9/27/2000 0 - 0.5 ft.	SB-H11-697-01 12/8/1999 0 - 2 ft.	SB-H11-697-02 6/15/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	405 U	390 UJ	410 UJ	346 U	431 U	440 U	379 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	405 U	390 U	180 J	346 U	431 U	440 U	379 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	196 J	180 J	1500 J	328 J	193 J	300 J	112 J
FLUORENE	UG/KG	100000	2300000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	405 U	390 UJ	410 UJ	346 U	431 UJ	440 U	379 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	81.7 J	390 U	410 J	346 U	431 U	440 U	379 U
ISOPHORONE	UG/KG	50000	1100000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	405 UJ	390 UJ	410 UJ	346 U	431 U	440 U	379 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	405 UJ	390 U	410 UJ	346 U	431 U	440 U	379 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
NAPHTHALENE	UG/KG	100000	230000	4200000	405 U	32 J	54 J	NR	431 U	34 J	379 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	809 U	780 U	810 UJ	693 U	861 U	880 U	758 U
PHENANTHRENE	UG/KG	NA	NA	NA	79.3 J	110 J	350 J	210 J	276 J	180 J	72.8 J
PHENOL	UG/KG	50000	10000000	10000000	405 U	390 U	410 UJ	346 U	431 U	440 U	379 U
PYRENE	UG/KG	100000	1700000	10000000	199 J	140 J	2100 J	157 J	128 J	310 J	126 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-762-02 6/15/2000 0 - 1.5 ft.	SB-H11-762-03 12/7/1999 0 - 1.5 ft.	SB-H11-763-03 12/8/1999 0 - 1 ft.	SB-H11-8-01 12/15/1999 0 - 2 ft.	SB-H11-8-02 12/15/1999 0 - 0.4 ft.	SB-H11-9-02 12/10/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 U	383 UJ	390 U	470 U	370 U	380 U	460 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	767 UJ	780 UJ	940 U	740 UJ	760 UJ	910 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	767 UJ	780 U	940 U	740 U	760 U	910 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	767 UJ	780 U	940 U	740 U	760 UJ	910 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	383 U	390 U	470 UJ	370 U	380 U	460 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 UJ	767 U	780 UJ	940 UJ	740 U	760 U	910 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	383 U	390 U	470 UJ	370 UJ	380 UJ	460 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	77 J	51.4 J	390 U	99 J	110 J	150 J	78 J
ANTHRACENE	UG/KG	100000	10000000	10000000	59 J	67.1 J	390 U	120 J	100 J	78 J	120 J
BENZIDINE	UG/KG	NA	NA	NA	390 U	383 U	390 UJ	470 U	370 U	380 U	460 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420	383 U	110 J	520	450	300 J	480
BENZO(a)PYRENE	UG/KG	100000	660	660	500	383 U	91 J	**830 J**	330 J	310 J	370 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1100**	515	170 J	**1000 J**	**960**	560	770
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	340 J	NR	390 U	800 J	200 J	380 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	216 J	NR	NR	NR	NR	200 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	290 J	246 J	390 U	500 J	410	190 J	280 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	383 U	390 U	470 U	370 U	380 U	460 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	60 U	22.6 J	38 U	140 U	820	380 U	460 U
CHRYSENE	UG/KG	500000	9000	40000	670	383 U	150 J	700	600	370 J	500
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	57 J	383 U	55 J	200 J	370 U	380 U	180 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-762-02 6/15/2000 0 - 1.5 ft.	SB-H11-762-03 12/7/1999 0 - 1.5 ft.	SB-H11-763-03 12/8/1999 0 - 1 ft.	SB-H11-8-01 12/15/1999 0 - 2 ft.	SB-H11-8-02 12/15/1999 0 - 0.4 ft.	SB-H11-9-02 12/10/1999 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	383 U	390 U	470 UJ	370 UJ	380 U	460 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	91 J	383 U	390 U	270 J	85 J	380 U	460 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	383 U	60 J	470 U	370 U	380 U	460 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1100	805	210 J	760	560	660	520
FLUORENE	UG/KG	100000	2300000	10000000	24 J	24.5 J	390 U	53 J	370 U	28 J	460 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	383 U	390 U	470 U	370 U	380 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	383 U	390 U	470 UJ	370 UJ	380 UJ	460 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	330 J	207 J	390 U	720 J	210 J	380 U	220 J
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	383 UJ	390 U	470 U	370 U	380 U	460 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	383 UJ	390 U	470 U	370 U	380 U	460 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
NAPHTHALENE	UG/KG	100000	230000	4200000	29 J	383 U	390 U	54 J	370 U	380 U	460 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	767 U	780 UJ	940 U	740 U	760 U	910 U
PHENANTHRENE	UG/KG	NA	NA	NA	500	377 J	120 J	750	83 J	370 J	140 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	383 U	390 U	470 U	370 U	380 U	460 U
PYRENE	UG/KG	100000	1700000	10000000	1200	699	270 J	1700	520	590	480

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9-04 6/15/2000 0 - 1 ft.	SB-H11-9307-01 6/15/2000 0 - 1 ft.	SB-H11-9307-02 12/9/1999 0 - 1 ft.	SB-H11-9310-03 12/3/1999 0 - 1 ft.	SB-H11-9312-02 12/10/1999 0 - 1 ft.	SB-H11-9312-04 12/10/1999 0 - 1 ft.	SB-H11-9313-02 12/9/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	447 UJ	401 UJ	390 UJ	400 UJ	430 U	400 U	410 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	893 UJ	801 UJ	780 U	800 UJ	850 U	790 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	893 U	801 UJ	780 U	800 UJ	850 U	790 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	893 UJ	801 UJ	780 U	800 UJ	850 U	790 U	810 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	893 U	801 U	780 U	800 UJ	850 U	790 U	810 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	447 U	401 U	51 J	400 UJ	19 J	280 J	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	31.7 J	401 U	46 J	86 J	430 U	180 J	410 U
BENZIDINE	UG/KG	NA	NA	NA	447 UJ	401 U	390 U	400 UJ	430 U	400 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	147 J	37.7 J	230 J	68 J	130 J	**1300**	90 J
BENZO(a)PYRENE	UG/KG	100000	660	660	125 J	23.6 J	230 J	45 J	130 J	**1300**	60 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	208 J	401 U	360 J	150 J	240 J	**2400**	160 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	100 J	400 UJ	NR	NR	410 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	447 U	401 U	NR	NR	430 U	1100	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	447 U	401 U	150 J	400 UJ	430 U	840	48 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	46 J	60.5 J	110 U	33 J	430 U	400 U	65 U
CHRYSENE	UG/KG	500000	9000	40000	183 J	68.5 J	310 J	170 J	190 J	1700	160 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	447 U	401 U	390 U	81 J	130 J	190 J	410 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9-04 6/15/2000 0 - 1 ft.	SB-H11-9307-01 6/15/2000 0 - 1 ft.	SB-H11-9307-02 12/9/1999 0 - 1 ft.	SB-H11-9310-03 12/3/1999 0 - 1 ft.	SB-H11-9312-02 12/10/1999 0 - 1 ft.	SB-H11-9312-04 12/10/1999 0 - 1 ft.	SB-H11-9313-02 12/9/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	447 U	401 U	390 U	400 UJ	430 U	240 J	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	188 J	401 U	370 J	220 J	330 J	3800	110 J
FLUORENE	UG/KG	100000	2300000	10000000	447 U	401 U	390 U	400 UJ	430 U	73 J	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	447 U	401 U	390 U	400 UJ	NR	NR	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	447 U	401 U	90 J	400 UJ	430 U	**1000**	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	447 UJ	401 UJ	390 U	400 UJ	430 U	400 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	447 UJ	401 UJ	390 UJ	400 UJ	430 U	400 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	893 U	801 U	780 U	800 UJ	850 U	790 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	245 J	28.9 J	230 J	82 J	120 J	2400	74 J
PHENOL	UG/KG	50000	10000000	10000000	447 U	401 U	390 U	400 UJ	430 U	400 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	400 J	401 U	460	200 J	240 J	3000	410 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9313-04 12/9/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.
Semi-Volatile Organic Compounds								
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	430 U	400 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	430 U	400 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	430 U	400 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	430 U	400 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	430 U	400 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	430 U	400 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	430 U	400 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	870 U	800 U	830 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**56 J**	**170 J**	**44 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	430 U	400 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	870 U	800 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	870 U	800 U	830 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	430 UJ	400 UJ	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 UJ	870 UJ	800 UJ	830 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	430 UJ	400 UJ	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	49 J	22 J	180 J
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	29 J	38 J	160 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	76 J	210 J	260 J	**950**
BENZO(a)PYRENE	UG/KG	100000	660	660	50 J	330 J	200 J	**740 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	180 J	**1200 J**	560 J	**2900 J**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	400 U	370 J	150 J	480 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	360 J	180 J	**930 J**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	430 U	400 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	430 U	400 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	43 U	56 U	180 U	76 J
CHRYSENE	UG/KG	500000	9000	40000	130 J	510	460	2000
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	45 U	130 J	250 J	40 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9313-04 12/9/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	430 UJ	400 UJ	420 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	130 J	400 UJ	140 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	430 U	38 J	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	430 U	400 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	180 J	240 J	410	2200
FLUORENE	UG/KG	100000	2300000	10000000	400 U	430 U	400 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	430 U	400 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	430 U	400 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	430 UJ	400 UJ	420 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	430 U	400 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	340 J	100 J	490 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	430 U	400 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	430 U	400 U	420 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	430 U	400 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	430 U	400 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	430 U	49 J	51 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	870 U	800 U	830 U
PHENANTHRENE	UG/KG	NA	NA	NA	83 J	85 J	250 J	510
PHENOL	UG/KG	50000	10000000	10000000	400 U	430 U	400 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	170 J	160 J	470	2500

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H12-2-03 12/14/1999 0 - 1.5 ft.	SB-H12-3-01 12/14/1999 0 - 1.5 ft.	SB-H12-3-02 6/15/2000 0 - 0.75 ft.	SB-H12-4-01 12/10/1999 0 - 1 ft.	SB-H12-5-03 12/14/1999 0 - 2 ft.	SB-H12-689-01 6/15/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	410 U	459 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 UJ	400 UJ	480 UJ	477 U	440 U	410 UJ	459 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 UJ	800 U	950 U	955 U	880 U	840 U	917 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	400 U	480 U	477 U	440 U	420 U	459 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	420 U	459 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	820 U	459 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	800 U	950 U	955 U	880 U	820 U	917 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	800 U	950 U	955 U	880 U	820 U	917 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	410 U	459 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	410 U	459 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 UJ	800 UJ	950 UJ	955 U	880 U	NR	917 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	400 UJ	480 UJ	477 U	440 U	410 UJ	459 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	78 J	180 J	480 U	20.5 J	440 U	420 U	459 U
ANTHRACENE	UG/KG	100000	10000000	10000000	140 J	140 J	480 U	477 U	440 U	420 U	459 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	410 U	459 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	770	**1400**	480 U	116 J	63 J	52 J	117 J
BENZO(a)PYRENE	UG/KG	100000	660	660	640 J	**1400**	31 J	125 J	57 J	91 J	87.2 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1800 J**	**2000**	480 U	160 J	69 J	110 J	133 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	450 J	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	780	480 U	149 J	440 U	420 U	459 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	580 J	890	480 U	477 U	440 U	410 U	459 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	160 J	400 U	480 U	477 U	440 U	420 U	459 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	420 U	459 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	830	120 U	28 U	477 U	440 U	37 U	45 J
CHRYSENE	UG/KG	500000	9000	40000	950	1300	480 U	139 J	66 J	86 J	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	68 J	400 U	480 U	477 U	160 J	420 U	459 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H12-2-03 12/14/1999 0 - 1.5 ft.	SB-H12-3-01 12/14/1999 0 - 1.5 ft.	SB-H12-3-02 6/15/2000 0 - 0.75 ft.	SB-H12-4-01 12/10/1999 0 - 1 ft.	SB-H12-5-03 12/14/1999 0 - 2 ft.	SB-H12-689-01 6/15/2000 0 - 1.25 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	70 J	480 U	477 U	440 U	420 U	459 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	200 J	210 J	480 U	477 U	440 U	420 U	459 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	96 J	400 U	480 U	477 U	440 U	420 U	459 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	850	1900	480 U	254 J	110 J	180 J	255 J
FLUORENE	UG/KG	100000	2300000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	NR	NR	477 U	NR	NR	459 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 UJ	400 U	480 U	477 U	440 U	410 U	459 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 J	710	480 U	477 U	440 U	420 U	459 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	400 U	480 U	477 U	440 U	420 U	459 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	400 U	480 U	477 U	440 U	420 U	459 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	400 U	480 U	477 U	440 U	410 U	459 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	800 U	950 U	955 U	880 U	840 U	917 U
PHENANTHRENE	UG/KG	NA	NA	NA	220 J	320 J	37 J	117 J	58 J	95 J	154 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	400 U	480 U	477 U	440 U	420 U	459 U
PYRENE	UG/KG	100000	1700000	10000000	1600	2400	480 U	236 J	440 U	200 J	221 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-689-03 12/15/1999 0 - 1 ft.	SB-H12-8563-01 6/23/2000 0 - 1 ft.	SB-H12-8563-03 12/15/1999 0 - 1 ft.	SB-H12-8607-01 6/23/2000 0 - 2 ft.	SB-H12-8607-04 12/14/1999 0 - 1.5 ft.	SB-H13-408-02 12/14/1999 0 - 1.3 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	360 U	370 U	389 U	400 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 UJ	400 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	NR	370 U	NR	400 UJ	410 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	360 U	370 U	389 U	400 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	360 U	370 U	389 U	400 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	360 U	370 U	389 UJ	400 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	850 UJ	721 U	730 UJ	777 U	800 U	820 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	360 U	**168 J**	389 U	400 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 U	400 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	360 U	370 U	389 U	400 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	NR	370 U	NR	400 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	850 U	721 U	730 U	777 U	800 U	820 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	850 U	721 U	730 U	777 U	800 U	820 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 U	400 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	360 U	370 U	389 UJ	400 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 U	400 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	850 U	NR	730 U	NR	800 UJ	820 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	28 J	360 U	370 UJ	389 U	400 UJ	410 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 U	400 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	58 J	360 U	110 J	389 U	65 J	410 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 UJ	400 UJ	410 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	94 J	360 U	160 J	89.07 J	240 J	55 J
BENZO(a)PYRENE	UG/KG	100000	660	660	77 J	360 U	150 J	92.96 J	200 J	63 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	100 J	360 U	220 J	108 J	320 J	95 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	430 U	NR	110 J	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	360 U	NR	389 U	130 J	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	360 U	370 U	389 U	130 J	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	360 U	370 U	389 UJ	400 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 U	400 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	360 U	370 U	389 UJ	400 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	360 U	NR	389 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	360 U	370 U	389 U	29 U	56 U
CHRYSENE	UG/KG	500000	9000	40000	120 J	39 J	120 J	92.57 J	250 J	86 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	360 U	390	389 UJ	400 U	410 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-689-03 12/15/1999 0 - 1 ft.	SB-H12-8563-01 6/23/2000 0 - 1 ft.	SB-H12-8563-03 12/15/1999 0 - 1 ft.	SB-H12-8607-01 6/23/2000 0 - 2 ft.	SB-H12-8607-04 12/14/1999 0 - 1.5 ft.	SB-H13-408-02 12/14/1999 0 - 1.3 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 UJ	360 U	370 UJ	389 U	400 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	360 U	370 U	389 U	400 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	360 U	760	389 UJ	400 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	240 J	360 U	330 J	137 J	470	160 J
FLUORENE	UG/KG	100000	2300000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	NR	370 U	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	360 U	370 U	389 U	400 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 UJ	360 U	370 UJ	389 U	400 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	360 U	370 U	389 UJ	400 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	360 U	98 J	389 U	100 J	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	360 U	370 U	389 U	400 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	360 U	370 U	389 UJ	400 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	360 U	260 J	389 U	400 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	360 U	370 U	389 U	400 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	850 U	721 U	730 U	777 U	800 U	820 U
PHENANTHRENE	UG/KG	NA	NA	NA	220 J	360 U	190 J	88.29 J	280 J	100 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	360 U	370 U	389 U	400 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	220 J	360 U	290 J	190 J	590	150 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-408-03 6/15/2000 0 - 1 ft.	SB-H13-9329-02 12/14/1999 0 - 1 ft.	SB-H8-585-01 12/2/1999 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.	SB-H8-9226-02 12/1/1999 0 - 1.75 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	396 U	410 U	3900 U	430 U	410 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	396 UJ	410 UJ	3900 UJ	430 U	410 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	396 U	410 U	3900 U	430 U	410 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	396 U	410 U	3900 U	430 U	410 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	791 UJ	810 U	7800 U	2100 UJ	810 UJ	2000 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**43.9 J**	410 U	3900 U	430 U	**137 J**	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	396 U	410 U	3900 U	430 U	410 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	791 UJ	810 U	7800 U	850 U	810 UJ	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	791 UJ	810 U	7800 UJ	2100 U	810 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	791 U	810 UJ	7800 UJ	2100 UJ	810 UJ	2000 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	396 U	410 UJ	3900 U	44 J	410 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	396 U	29 J	3900 U	510	110 J	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	396 U	37 J	3900 U	1400	150 J	31 J
BENZIDINE	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	129 J	320 J	3900 U	**13000 J**	590	270 J
BENZO(a)PYRENE	UG/KG	100000	660	660	124 J	310 J	220 J	**16000 J**	510	420
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	185 J	580	3900 U	**40000 J**	**1200**	**1000**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	396 U	150 J	3900 U	8700 J	350 J	230 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	396 U	210 J	3900 U	**12000 J**	490	380 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	396 U	410 U	3900 U	430 U	410 UJ	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	396 U	410 U	3900 U	430 U	410 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	396 U	410 U	3900 U	430 U	410 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	23.7 J	45 U	3900 U	230 U	56 J	49 U
CHRYSENE	UG/KG	500000	9000	40000	158 J	450	410 J	**15000**	820	400 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	396 U	410 U	3900 U	180 J	92 J	150 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-408-03 6/15/2000 0 - 1 ft.	SB-H13-9329-02 12/14/1999 0 - 1 ft.	SB-H8-585-01 12/2/1999 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.	SB-H8-9226-02 12/1/1999 0 - 1.75 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	396 U	410 U	3900 U	430 UJ	410 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	396 U	410 U	3900 U	**3900 J**	410 U	82 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	396 U	410 U	3900 U	430 U	410 UJ	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	333 J	610	3900 U	11000	1100	320 J
FLUORENE	UG/KG	100000	2300000	10000000	396 U	410 U	3900 U	150 J	410 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	396 U	NR	NR	430 U	NR	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	396 U	410 U	3900 UJ	430 U	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	396 U	410 U	3900 U	430 UJ	410 U	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	396 U	410 U	3900 U	430 U	410 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	396 U	130 J	3900 U	**7600 J**	340 J	240 J
ISOPHORONE	UG/KG	50000	1100000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	396 UJ	410 U	3900 U	430 U	410 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	396 UJ	410 U	3900 U	430 U	410 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	396 U	410 U	3900 U	NR	410 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	396 U	410 U	3900 U	140 J	410 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	791 U	810 U	7800 U	2100 U	810 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	207 J	370 J	3900 U	1200	170 J	56 J
PHENOL	UG/KG	50000	10000000	10000000	396 U	410 U	3900 U	430 U	410 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	296 J	640	3900 U	26000	1000	520

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-1-03 12/2/1999 0 - 2 ft.	SB-H9-1-04 12/2/1999 0 - 0.5 ft.	SB-H9-1-04 12/2/1999 0 - 2 ft.	SB-H9-10-05 12/2/1999 0 - 1 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.	SB-H9-3-01 12/2/1999 0 - 1.25 ft.	SB-H9-3-03 6/15/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	NR	410 U	420 U	390 U	410 U	408 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	610 U	NR	420 U	390 U	410 U	408 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 U	NR	410 UJ	420 U	390 U	410 UJ	408 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	NR	410 U	420 U	390 U	410 U	408 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	NR	410 U	420 U	390 U	410 U	408 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	840 UJ	NR	820 U	830 UJ	780 UJ	810 U	815 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	NR	410 U	**60 J**	390 U	410 U	408 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	NR	410 U	420 U	390 U	410 U	408 U
2-NITROPHENOL	UG/KG	NA	NA	NA	840 UJ	NR	820 UJ	420 U	780 UJ	810 UJ	408 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 UJ	NR	820 U	830 U	780 UJ	810 U	815 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	840 U	NR	820 UJ	830 U	780 U	810 UJ	815 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
4-NITROPHENOL	UG/KG	NA	NA	NA	420 U	NR	410 U	830 U	390 U	410 U	815 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	NR	410 U	35 J	390 U	410 U	18.8 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	NR	410 U	160 J	19 J	50 J	60.3 J
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	NR	410 U	160 J	24 J	51 J	46.9 J
BENZIDINE	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	34 J	NR	35 J	670	130 J	180 J	368 J
BENZO(a)PYRENE	UG/KG	100000	660	660	30 J	NR	39 J	**670**	140 J	180 J	375 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	NR	410 U	**970**	250 J	230 J	556
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	NR	410 U	450	170 J	110 J	169 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	NR	410 U	310 J	95 J	410 U	127 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	NR	410 U	420 U	390 UJ	410 U	408 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	NR	410 U	420 U	390 U	410 U	408 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	NR	410 U	420 UJ	390 U	410 U	408 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	65 J	NR	35 J	47 J	44 J	50 J	45.2 J
CHRYSENE	UG/KG	500000	9000	40000	68 J	NR	55 J	910	130 J	230 J	538
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	NR	42 J	76 J	390 U	410 U	104 J

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-1-03 12/2/1999 0 - 2 ft.	SB-H9-1-04 12/2/1999 0 - 0.5 ft.	SB-H9-1-04 12/2/1999 0 - 2 ft.	SB-H9-10-05 12/2/1999 0 - 1 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.	SB-H9-3-01 12/2/1999 0 - 1.25 ft.	SB-H9-3-03 6/15/2000 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	NR	410 U	120 J	390 U	410 U	408 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	NR	410 U	420 U	390 UJ	410 U	44 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	83 J	NR	110 J	1700	140 J	400 J	704
FLUORENE	UG/KG	100000	2300000	10000000	420 U	NR	410 U	120 J	390 U	410 U	42.4 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR	NR	NR	NR	408 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	NR	410 UJ	420 U	390 U	410 UJ	408 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	NR	410 U	420 U	390 U	410 U	408 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	NR	410 U	420 U	390 U	410 U	408 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	NR	410 U	380 J	130 J	100 J	150 J
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	NR	410 U	420 U	390 U	410 U	408 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	NR	410 U	420 UJ	390 U	410 U	408 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	NR	410 U	420 U	390 U	410 U	408 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	NR	410 U	420 U	390 U	410 U	408 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	840 U	NR	820 U	830 U	780 U	810 U	815 U
PHENANTHRENE	UG/KG	NA	NA	NA	130 J	NR	74 J	1200	76 J	300 J	602
PHENOL	UG/KG	50000	10000000	10000000	420 U	NR	410 U	420 U	390 U	410 U	408 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	NR	410 U	1800	150 J	480	1110 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-8155-01 6/15/2000 0 - 1 ft.	SB-H9-8155-02 12/1/1999 0 - 1 ft.	SB-H9-8238-01 12/1/1999 0 - 1 ft.	SB-H9-8238-02 12/1/1999 0 - 1 ft.	SB-H9-8238-03 12/1/1999 0 - 1 ft.	SB-I11-9117-02 12/15/1999 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	420 U	390 U	400 U	350 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 UJ	420 U	390 U	400 U	350 U	430 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	420 U	390 U	400 U	350 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	420 U	390 U	400 U	350 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	801 UJ	2100 UJ	1900 UJ	2000 UJ	1800 UJ	850 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**39 J**	390 U	400 U	350 U	430 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	420 U	390 U	400 U	350 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	801 UJ	840 U	780 U	790 U	710 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	801 UJ	2100 U	1900 U	2000 U	1800 U	850 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	801 U	2100 UJ	1900 UJ	2000 UJ	1800 UJ	850 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	420 U	390 U	400 U	350 U	430 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	18.8 J	19 J	390 U	400 U	350 U	35 J
ANTHRACENE	UG/KG	100000	10000000	10000000	24.4 J	48 J	390 U	400 U	350 U	47 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	129 J	230 J	390 U	400 U	49 J	220 J
BENZO(a)PYRENE	UG/KG	100000	660	660	137 J	250 J	390 U	400 U	43 J	210 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	167 J	380 J	390 U	400 U	66 J	340 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	200 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	110 J	390 U	400 U	350 U	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	180 J	390 U	400 U	350 U	130 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	420 U	390 U	400 U	350 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	420 U	390 U	400 U	350 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	45.7 J	71 U	91 U	32 U	820 U	430 U
CHRYSENE	UG/KG	500000	9000	40000	191 J	300 J	390 U	46 J	48 J	280 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	50.5 J	200 J	71 J	85 J	87 J	430 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-8155-01 6/15/2000 0 - 1 ft.	SB-H9-8155-02 12/1/1999 0 - 1 ft.	SB-H9-8238-01 12/1/1999 0 - 1 ft.	SB-H9-8238-02 12/1/1999 0 - 1 ft.	SB-H9-8238-03 12/1/1999 0 - 1 ft.	SB-I11-9117-02 12/15/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	420 UJ	390 U	400 U	350 U	430 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	420 UJ	390 U	400 U	350 U	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	95.7 J	140 J	47 J	400 U	55 J	430 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	274 J	580	390 U	400 U	76 J	530
FLUORENE	UG/KG	100000	2300000	10000000	400 U	39 J	390 U	400 U	350 U	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	420 U	390 U	400 U	350 U	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	420 U	390 U	400 U	350 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	420 UJ	390 UJ	400 UJ	350 UJ	430 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	NR	390 U	400 U	350 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	100 J	390 U	400 U	350 U	150 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 UJ	420 U	390 U	400 U	350 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	420 U	390 U	400 U	350 U	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	420 U	390 U	NR	350 U	430 U
NAPHTHALENE	UG/KG	100000	230000	4200000	111 J	420 U	390 U	400 U	350 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	801 U	2100 U	1900 U	2000 U	1800 U	850 U
PHENANTHRENE	UG/KG	NA	NA	NA	334 J	450	390 U	66 J	38 J	250 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	420 U	390 U	400 U	350 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	382 J	850	390 U	400 U	350 U	520

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F10-19-01 7/25/2000 5 - 7 ft.	TP-F11-8227-07 8/8/2000 7.5 - 9.5 ft.	TP-F11-8227-07 8/8/2000 7.5 - 9.5 ft.	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-G10-8224-05 7/25/2000 3.5 - 5.5 ft.	TP-G10-8502-08 7/25/2000 3 - 5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	423 U	370 U	N	442 U	379 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	423 U	370 U	N	442 U	379 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	423 U	370 U	N	442 U	379 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	423 U	370 U	N	442 U	379 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	423 U	370 U	N	442 U	379 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	423 U	NR	NR	442 U	379 U	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	423 U	370 U	N	442 U	379 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	423 U	370 U	N	442 U	379 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	423 U	370 U	N	442 U	379 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	847 U	741 U	N	885 U	759 U	759 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	423 U	370 UJ	N	**503 J**	379 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	423 U	370 U	N	442 U	379 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	423 U	370 U	N	442 U	379 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	423 U	NR	NR	442 U	379 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	847 U	741 U	N	885 U	759 U	759 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	847 U	741 U	N	885 U	759 U	759 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	423 U	370 U	N	442 U	379 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	423 U	370 U	N	442 U	379 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	423 U	370 U	N	442 U	379 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	847 U	NR	NR	885 U	759 U	759 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	423 U	370 U	N	442 U	379 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	41.5 J	370 U	N	442 U	379 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	423 U	370 U	N	442 U	379 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	423 UJ	370 UJ	N	442 U	379 UJ	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	267 J	370 U	N	158 J	379 U	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	237 J	370 U	N	157 J	379 U	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	393 J	370 U	N	247 J	379 U	380 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	153 J	370 U	N	122 J	379 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	107 J	370 U	N	80.9 J	379 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	423 U	370 U	N	442 U	379 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	423 U	370 U	N	442 U	379 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	423 UJ	370 U	N	442 U	379 UJ	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	370 U	N	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	110 J	370 U	N	84 J	258 J	25.8 J
CHRYSENE	UG/KG	500000	9000	40000	292 J	370 U	N	241 J	379 U	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	423 U	370 U	N	205 J	137 J	380 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F10-19-01 7/25/2000 5 - 7 ft.	TP-F11-8227-07 8/8/2000 7.5 - 9.5 ft.	TP-F11-8227-07 8/8/2000 7.5 - 9.5 ft.	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-G10-8224-05 7/25/2000 3.5 - 5.5 ft.	TP-G10-8502-08 7/25/2000 3 - 5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	423 UJ	370 U	N	442 U	379 UJ	380 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	423 U	370 U	N	442 U	379 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	423 U	370 U	N	442 U	379 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	423 U	370 U	N	442 U	379 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	422 J	370 U	N	267 J	379 U	380 U
FLUORENE	UG/KG	100000	2300000	10000000	423 U	370 U	N	442 U	379 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	423 U	370 U	N	442 U	379 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	423 U	370 U	N	442 U	379 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	423 U	370 U	N	442 U	379 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	423 U	370 U	N	442 U	379 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	135 J	370 U	N	105 J	379 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	423 U	370 U	N	442 U	379 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	423 UJ	370 U	N	442 U	379 UJ	380 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	423 UJ	370 U	N	442 U	379 UJ	380 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	26.7 J	370 U	N	442 U	39.1 J	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	423 U	NR	NR	442 U	379 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	847 U	741 U	N	885 U	759 U	759 U
PHENANTHRENE	UG/KG	NA	NA	NA	121 J	370 U	N	137 J	379 U	380 U
PHENOL	UG/KG	50000	10000000	10000000	423 U	370 U	N	442 U	379 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	469 J	370 U	N	199 J	379 UJ	380 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G11-9300A-01 8/2/2000 4.5 - 6.5 ft.	TP-G11-9304A-01 8/2/2000 3.5 - 5.5 ft.	TP-H10-13-01 8/2/2000 0 - 2 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.	TP-H13-8158A-01 8/9/2000 5.5 - 7.5 ft.	TP-H9-8238-04 8/2/2000 7.5 - 9.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	377 U	381 U	379 U	391 UJ	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 U	391 UJ	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	360 U	377 U	NR	NR	391 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	377 U	381 U	379 U	391 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	377 U	381 U	379 U	391 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	721 UJ	754 UJ	763 U	758 U	783 U	721 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	377 U	**92 J**	**317 J**	391 U	360 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 U	391 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	377 U	381 U	379 U	391 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	377 U	NR	NR	391 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	721 U	754 U	763 U	758 U	783 U	721 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	721 UJ	754 UJ	763 U	758 U	783 U	721 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 U	391 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 U	391 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	721 U	754 U	NR	NR	783 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 U	391 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
BENZIDINE	UG/KG	NA	NA	NA	360 U	377 U	381 UJ	379 UJ	391 UJ	360 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	360 U	377 U	95 J	299 J	391 U	360 U
BENZO(a)PYRENE	UG/KG	100000	660	660	360 U	377 U	104 J	301 J	391 U	360 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 U	377 U	145 J	436	391 U	360 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	377 U	381 U	225 J	391 U	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	377 U	381 U	161 J	391 U	360 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	377 U	381 U	379 UJ	391 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	377 U	381 U	379 UJ	391 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	381 U	379 U	NR	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	377 U	29 J	379 U	391 U	360 U
CHRYSENE	UG/KG	500000	9000	40000	360 U	377 U	124 J	341 J	391 U	360 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U

Table 5-7B

Analytical Results
Maintenance Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G11-9300A-01 8/2/2000 4.5 - 6.5 ft.	TP-G11-9304A-01 8/2/2000 3.5 - 5.5 ft.	TP-H10-13-01 8/2/2000 0 - 2 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.	TP-H13-8158A-01 8/9/2000 5.5 - 7.5 ft.	TP-H9-8238-04 8/2/2000 7.5 - 9.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	377 U	381 U	379 U	391 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	360 U	377 U	143 J	540	391 U	360 U
FLUORENE	UG/KG	100000	2300000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	377 U	NR	NR	391 UJ	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	377 U	381 U	379 UJ	391 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 UJ	377 UJ	381 U	379 U	391 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	377 U	381 U	379 U	391 UJ	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	377 U	381 U	181 J	391 U	360 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	377 U	381 U	379 U	391 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	377 U	381 U	379 UJ	391 UJ	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 U	377 U	381 UJ	379 UJ	391 U	360 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 U	377 U	381 U	379 U	391 U	360 U
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	377 U	381 U	379 U	391 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	721 U	754 U	763 U	758 U	783 U	721 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 U	377 U	84 J	158 J	391 U	360 U
PHENOL	UG/KG	50000	10000000	10000000	360 U	377 U	381 U	379 UJ	391 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	360 U	377 U	215 J	502	391 U	360 U
					NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-01 11/23/1999 0 - 1 ft.	SB-F10-1-04 11/23/1999 0 - 2 ft.	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-20-02 7/12/2000 0 - 1.5 ft.	SB-F10-20-03 7/12/2000 0 - 1.25 ft.	SB-F10-37B-02 12/10/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	190 U	NR	NR	NR	NR	238.1 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	190 U	NR	NR	NR	NR	238.1 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**370**	NR	NR	NR	NR	238.1 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	190 U	NR	NR	NR	NR	238.1 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	190 U	NR	NR	NR	NR	238.1 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	370 U	NR	NR	NR	397 U	476.2 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	370 U	NR	NR	NR	NR	800 R	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	190 U	NR	NR	NR	NR	238.1 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	370 U	NR	NR	NR	NR	476.2 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	370 U	NR	NR	NR	NR	476.2 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	190 U	400 U	980 U	480 U	397 U	238.1 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	399	NR	NR	NR	NR	444 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	13000	NR	NR	NR	NR	15000	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	370 U	NR	NR	NR	NR	476.2 U	NR
TETRYL	UG/KG	NA	780000	10000000	370 U	NR	NR	NR	NR	476.2 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-37B-03 6/23/2000 0 - 1 ft.	SB-F10-44-04 4/18/2000 0 - 1.5 ft.	SB-F10-44-05 12/8/1999 0 - 2 ft.	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-2-03 12/10/1999 0 - 2 ft.	SB-F11-2292-02 4/18/2000 0 - 2 ft.	SB-F11-2292-03 12/8/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	413 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	825 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	413 U	410 U	410 U	440 U	370 U	480 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-43-02 6/23/2000 0 - 1 ft.	SB-F11-43-03 12/10/1999 0 - 0.5 ft.	SB-F11-456-01 4/18/2000 0 - 1 ft.	SB-F11-456-02 12/8/1999 0 - 2 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-458-02 12/16/1999 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	385 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	770 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	385 U	370 U	440 U	430 U	4500 U	420 U	430 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-8113-02 12/10/1999 0 - 2 ft.	SB-F11-8227-01 12/8/1999 0 - 1 ft.	SB-F11-8227-06 12/15/1999 0 - 10 ft.	SB-F11-A2-01 12/10/1999 0 - 1 ft.	SB-F12-4-01 4/18/2000 0 - 1.5 ft.	SB-F12-4-03 12/9/1999 0 - 2 ft.	SB-F12-F6-01 4/18/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	250 U	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	380 U	2600 U	390 U	390 U	370 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	194	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6244	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F12-F6-02 12/2/1999 0 - 1 ft.	SB-G10-1-02 11/23/1999 0 - 1 ft.	SB-G10-108B-04 11/22/1999 0 - 2 ft.	SB-G10-108B-05 11/22/1999 0 - 0.5 ft.	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-13-02 9/27/2000 0 - 1 ft.	SB-G10-16-02 11/30/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	344 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	688 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	380 U	380 U	460 U	344 U	361 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-172A-03 11/30/1999 0 - 1 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-2-03 11/22/1999 0 - 1 ft.	SB-G10-2008-03 11/30/1999 0 - 1 ft.	SB-G10-2009-03 11/30/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	230 U	NR	NR	250 U	230 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	230 U	NR	NR	250 U	230 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	230 U	NR	NR	250 U	230 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	230 U	NR	NR	250 U	230 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	230 U	NR	NR	250 U	230 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	356 U	NR	500 U	450 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	450 U	NR	NR	500 U	450 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	230 U	NR	NR	250 U	230 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	711 U	NR	500 U	450 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	450 U	NR	NR	500 U	450 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	230 U	356 U	390 U	250 U	230 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	61.2 J	NR	NR	287 J	86.4 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5700 U	NR	NR	5400 U	5200 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	450 U	NR	NR	500 U	450 U
TETRYL	UG/KG	NA	780000	10000000	NR	450 U	NR	NR	500 U	450 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-269-02 9/27/2000 0 - 1 ft.	SB-G10-269-03 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-271-02 9/27/2000 0 - 2 ft.	SB-G10-3-01 12/15/1999 0 - 0.5 ft.	SB-G10-4-02 12/14/1999 0 - 0.8 ft.	SB-G10-4-05 12/14/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	250 U	250 U
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	342 U	338 U	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	685 U	675 U	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	394 U	342 U	338 U	393 U	460 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	90.9	103
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	5000 U	2900 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-459-04 4/18/2000 0 - 1 ft.	SB-G10-459-05 12/15/1999 0 - 2 ft.	SB-G10-5-02 12/15/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.	SB-G10-8106-01 12/1/1999 0 - 1 ft.	SB-G10-8106-02 12/1/1999 0 - 2 ft.	SB-G10-8106A-04 11/30/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	220 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	220 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	220 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	220 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	220 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	430 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	430 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	220 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	430 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	430 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	380 U	400 UJ	390 U	400 U	220 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	64.3 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	5600 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	430 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	430 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.	SB-G10-8114-03 12/15/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	400 U	370 U	4100 U	360 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8204-02 11/22/1999 0 - 2 ft.	SB-G10-8204-05 11/22/1999 0 - 0.5 ft.	SB-G10-8213-07 11/30/1999 0 - 1 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8216-02 9/27/2000 0 - 1.5 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	352 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	704 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	3800 U	4100 UJ	380 U	352 U	377 U	330 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8224-03 11/30/1999 0 - 1 ft.	SB-G10-8224-04 11/30/1999 0 - 1.5 ft.	SB-G10-8501-06 12/16/1999 0 - 1 ft.	SB-G10-8502-03 12/15/1999 0 - 0.5 ft.	SB-G10-8502-07 12/15/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 UJ	410 U	390 U	400 U	390 U	440 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8682-05 12/2/1999 0 - 2 ft.	SB-G10-9100-01 11/22/1999 0 - 0.5 ft.	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G10-9515-02 11/23/1999 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-02 9/27/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	250 U	100 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	250 U	100 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	250 U	100 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	250 U	100 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	250 U	100 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	341 U	NR	500 U	200 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	500 U	200 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	250 U	100 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	682 U	NR	500 U	200 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	500 U	200 U
NITROBENZENE	UG/KG	10000	39000	510000	3800 U	380 U	341 U	390 UJ	250 U	100 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	48.2	56.4
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	3260 J	6300
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	500 U	200 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	500 U	200 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-01 12/15/1999 0 - 1 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.	SB-G11-2017B-08 12/15/1999 0 - 2 ft.	SB-G11-2259-01 12/2/1999 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	250 U	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	250 U	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	250 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	250 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	410 U	250 U	250 U	250 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	96 J	64.7 J	46.8 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	4878 U	5000 U	5000 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	500 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-253-01 4/18/2000 0 - 0.75 ft.	SB-G11-253-03 12/2/1999 0 - 1 ft.	SB-G11-3-01 9/13/2000 0 - 1.5 ft.	SB-G11-5-02 12/2/1999 0 - 1 ft.	SB-G11-66-03 12/9/1999 0 - 1.5 ft.	SB-G11-66-05 12/9/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	120 UJ	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	120 UJ	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	120 UJ	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	120 UJ	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	120 UJ	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	230 UJ	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	230 UJ	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	120 UJ	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	230 UJ	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	230 UJ	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	250 U	120 UJ	428 U	4000 U	420 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	40.7 U	34.5	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5900 U	4546 U	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	230 UJ	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	230 R	NR	NR	NR	NR

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-8208-05 12/10/1999 0 - 1.5 ft.	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-03 12/7/1999 0 - 2 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	410 U	390 U	390 U	400 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9304-05 12/2/1999 0 - 0.5 ft.	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9305-02 12/7/1999 0 - 2 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	460 U	380 U	4200 U	390 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.	SB-G12-12-01 12/2/1999 0 - 1 ft.	SB-G12-12-03 4/18/2000 0 - 1.5 ft.	SB-G12-252-02 4/18/2000 0 - 1.5 ft.	SB-G12-252-03 12/10/1999 0 - 2 ft.	SB-G12-6-03 6/15/2000 0 - 1 ft.	SB-G12-6-04 12/1/1999 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	250 U	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	240 U	NR	248 U	210 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	240 U	250 U	248 U	210 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	240 U	250 U	248 U	210 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	**20 J**	250 U	248 U	210 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	240 U	250 U	248 U	210 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	480 U	500 U	495 U	420 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	480 U	500 U	495 U	420 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	240 U	250 U	248 U	210 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	480 U	500 U	495 U	420 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	480 U	500 U	495 U	420 U
NITROBENZENE	UG/KG	10000	39000	510000	390 U	410 U	420 U	240 U	250 U	281	210 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	104	108	419	281 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	7700 U	5000 U	8830	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	480 U	500 U	495 U	420 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	480 U	500 U	495 U	420 U

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NS = No Standard
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Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.	SB-G12-8109-02 12/10/1999 0 - 1 ft.	SB-G12-8203-01 12/1/1999 0 - 2 ft.	SB-G12-8203-03 12/1/1999 0 - 2 ft.	SB-G8-A12-01 6/15/2000 0 - 0.75 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	398 U	390 U	420 UJ	410 UJ	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-A12-05 12/16/1999 0 - 1 ft.	SB-G9-1-02 12/10/1999 0 - 1 ft.	SB-G9-15-01 12/10/1999 0 - 1 ft.	SB-G9-15-02 6/15/2000 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8105-05 6/23/2000 0 - 1 ft.	SB-G9-8107-02 11/23/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	390 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	780 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	440 U	400 UJ	513 U	410 UJ	390 U	410 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8107-05 11/23/1999 0 - 2 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.	SB-G9-8182-05 11/22/1999 0 - 1 ft.	SB-G9-8187-01 12/9/1999 0 - 1 ft.	SB-G9-8187-02 6/15/2000 0 - 1 ft.	SB-G9-8205-02 6/15/2000 0 - 1.25 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	248 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	248 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	248 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	248 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	248 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	495 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	495 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	248 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	248 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	495 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	370 U	400 U	250 U	248 U	385 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	99.5	60.2 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	7854	5660 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	495 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	495 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8205-05 12/9/1999 0 - 0.5 ft.	SB-G9-8207-04 12/2/1999 0 - 2 ft.	SB-G9-8207-05 12/2/1999 0 - 1 ft.	SB-G9-8267-04 11/23/1999 0 - 2 ft.	SB-G9-9321-02 12/9/1999 0 - 1 ft.	SB-G9-9321-08 12/9/1999 0 - 1 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	227 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	224 R
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	227 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	**2950 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	227 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	455 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	455 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	227 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	455 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	455 U
NITROBENZENE	UG/KG	10000	39000	510000	370 U	380 U	370 U	400 U	420 U	390 U	227 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	98.8 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	19591
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	455 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	455 U

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* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-10-06 12/3/1999 0 - 1.5 ft.	SB-H10-10-07 12/3/1999 0 - 1 ft.	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	476 U	11905 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	2524 R	4941 R	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	476 U	4762 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	**28507 J**	**141377 J**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	476 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	952 U	23810 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	952 U	9524 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	476 U	11905 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	952 U	23810 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	952 U	9524 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	4200 U	470 U	410 U	476 U	11905 U	4400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	77.7 J	101 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	4762 U	6732	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	952 U	23810 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	952 U	9524 U	NR

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-16-02 12/2/1999 0 - 0.75 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.	SB-H10-2003-01 12/10/1999 0 - 1.3 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-267-01 12/10/1999 0 - 1 ft.	SB-H10-269-03 12/8/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	150 UJ	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	230 U	NR	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	150 UJ	NR	NR	230 U	NR	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150 UJ	NR	NR	230 U	NR	NR	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**470 J**	NR	NR	230 U	NR	NR	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	150 UJ	NR	NR	230 U	NR	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	290 UJ	354 U	NR	450 U	NR	NR	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	290 UJ	NR	NR	450 U	NR	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	150 UJ	NR	NR	230 U	NR	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	290 UJ	708 U	NR	450 U	NR	NR	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	290 UJ	NR	NR	450 U	NR	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	150 UJ	354 U	390 U	230 U	390 U	410 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	81.2 J	NR	NR	103 J	NR	NR	118
NITROGLYCERIN	UG/KG	NA	46000	200000	4762 U	NR	NR	5100 U	NR	NR	4546 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	290 UJ	NR	NR	450 U	NR	NR	476 U
TETRYL	UG/KG	NA	780000	10000000	290 R	NR	NR	450 U	NR	NR	476 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-8225-03 12/9/1999 0 - 1 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	238 U	NR	214 J
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	**187 J**	238 U	NR	**451 J**
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	238 U	NR	**315 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**357 J**	238 U	NR	**169 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	238 U	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	476 U	363 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	476 U	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	238 U	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	476 U	726 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	476 U	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	410 U	390 U	250 U	238 U	363 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	80	NR	171
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5000 U	5000 U	NR	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	476 U	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	476 U	NR	500 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.	SB-H10-9101-02 6/23/2000 0 - 1 ft.	SB-H10-9101-03 12/14/1999 0 - 1 ft.	SB-H10-9102-03 12/9/1999 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**564**	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**180 J**	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	386 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	771 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	154 J	460 U	4500 U	386 U	410 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	427	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6400 U	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	NR

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9103-01 12/1/1999 0 - 1 ft.	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.	SB-H10-9104-02 12/1/1999 0 - 1 ft.	SB-H10-9308-02 12/3/1999 0 - 2 ft.	SB-H10-9308-03 6/15/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	370 U	390 U	390 U	390 U	370 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-10-02 12/9/1999 0 - 1 ft.	SB-H11-2-02 12/8/1999 0 - 1.3 ft.	SB-H11-2-03 6/15/2000 0 - 1.5 ft.	SB-H11-2295-01 6/15/2000 0 - 1 ft.	SB-H11-2295-02 12/3/1999 0 - 1 ft.	SB-H11-2319-02 6/23/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	227 U	249 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	227 U	249 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	227 U	249 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	227 U	249 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	227 U	249 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	455 U	498 U	NR	NR	427 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	455 U	498 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	227 U	249 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	455 U	249 U	NR	NR	854 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	455 U	498 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	390 U	227 U	249 U	412 U	420 U	427 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	91	63.8 J	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	4762 U	6030 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	455 U	498 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	455 U	498 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-2319-04 12/9/1999 0 - 1.3 ft.	SB-H11-3-02 12/10/1999 0 - 1.3 ft.	SB-H11-3-03 6/23/2000 0 - 1 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-510-01 6/15/2000 0 - 1.25 ft.	SB-H11-510-03 12/3/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	433 U	NR	NR	NR	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	865 U	NR	NR	NR	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	380 U	410 U	433 U	410 U	405 U	390 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	59.1 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	476 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	476 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-696-01 7/13/2000 0 - 0.5 ft.	SB-H11-696-02 9/27/2000 0 - 0.5 ft.	SB-H11-697-01 12/8/1999 0 - 2 ft.	SB-H11-697-02 6/15/2000 0 - 1 ft.	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-762-02 6/15/2000 0 - 1.5 ft.	SB-H11-762-03 12/7/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	217 U	NR	227 U	246 U	250 U	249 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	217 U	NR	227 U	246 U	250 U	249 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	217 U	NR	227 U	246 U	250 U	249 U	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	217 U	NR	227 U	246 U	250 U	249 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	217 U	NR	227 U	246 U	250 U	249 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	435 U	NR	455 U	493 U	500 U	498 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	435 U	NR	455 U	493 U	500 U	498 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	217 U	NR	227 U	246 U	250 U	249 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	435 U	NR	455 U	246 U	500 U	249 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	435 U	NR	455 U	388 J	500 U	498 U	476 U
NITROBENZENE	UG/KG	10000	39000	510000	217 U	431 U	227 U	246 U	250 U	249 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	109	NR	119	125 J	83.5	70.2 J	63.1
NITROGLYCERIN	UG/KG	NA	46000	200000	5074 U	NR	4878 U	5660 U	5000 U	5720 U	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	435 U	NR	455 U	493 U	500 U	498 U	476 U
TETRYL	UG/KG	NA	780000	10000000	435 U	NR	455 U	493 U	500 U	498 U	476 U

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Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-763-03 12/8/1999 0 - 1 ft.	SB-H11-8-01 12/15/1999 0 - 2 ft.	SB-H11-8-02 12/15/1999 0 - 0.4 ft.	SB-H11-9-02 12/10/1999 0 - 1.5 ft.	SB-H11-9-04 6/15/2000 0 - 1 ft.	SB-H11-9307-01 6/15/2000 0 - 1 ft.	SB-H11-9307-02 12/9/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	238 U	370 U	380 U	460 U	447 UJ	401 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	96.6	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	NR	NR	NR

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9310-03 12/3/1999 0 - 1 ft.	SB-H11-9312-02 12/10/1999 0 - 1 ft.	SB-H11-9312-04 12/10/1999 0 - 1 ft.	SB-H11-9313-02 12/9/1999 0 - 1 ft.	SB-H11-9313-04 12/9/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 UJ	430 U	400 U	410 U	400 U	430 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

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Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H12-2-03 12/14/1999 0 - 1.5 ft.	SB-H12-3-01 12/14/1999 0 - 1.5 ft.	SB-H12-3-02 6/15/2000 0 - 0.75 ft.	SB-H12-4-01 12/10/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	420 U	410 U	400 U	480 U	477 U	440 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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Table 5-7C

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Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-5-03 12/14/1999 0 - 2 ft.	SB-H12-689-01 6/15/2000 0 - 1.25 ft.	SB-H12-689-03 12/15/1999 0 - 1 ft.	SB-H12-8563-01 6/23/2000 0 - 1 ft.	SB-H12-8563-03 12/15/1999 0 - 1 ft.	SB-H12-8607-01 6/23/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	360 U	NR	389 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	721 U	NR	777 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	410 U	459 U	430 U	360 U	370 U	389 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-8607-04 12/14/1999 0 - 1.5 ft.	SB-H13-408-02 12/14/1999 0 - 1.3 ft.	SB-H13-408-03 6/15/2000 0 - 1 ft.	SB-H13-9329-02 12/14/1999 0 - 1 ft.	SB-H8-585-01 12/2/1999 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	250 U	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	248 U	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	248 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	248 U	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	248 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	248 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	495 U	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	495 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	248 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	248 U	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	495 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	250 U	248 U	410 U	3900 U	430 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	68.5	49.5 J	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4878 U	5650 U	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	495 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	495 U	NR	NR	NR	NR

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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-9226-02 12/1/1999 0 - 1.75 ft.	SB-H9-1-03 12/2/1999 0 - 2 ft.	SB-H9-1-04 12/2/1999 0 - 2 ft.	SB-H9-10-05 12/2/1999 0 - 1 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.	SB-H9-3-01 12/2/1999 0 - 1.25 ft.	SB-H9-3-03 6/15/2000 0 - 2 ft.	SB-H9-8155-01 6/15/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	11000 UJ	280 UJ	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	244 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	11000 UJ	280 UJ	244 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	**350000 J**	280 UJ	244 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	11000 UJ	280 UJ	244 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	**290000 J**	280 UJ	244 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	5700 UJ	140 UJ	488 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	5700 UJ	140 UJ	488 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	200000 R	140 UJ	244 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	5700 UJ	140 UJ	244 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	**37000 J**	140 UJ	488 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	420 U	410 U	420 U	11000 UJ	280 UJ	244 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	54.3	61.3	80 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	4878 U	4651 U	6030 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	5700 UJ	140 UJ	488 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	5700 R	140 R	488 U	NR

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-8155-02 12/1/1999 0 - 1 ft.	SB-H9-8238-01 12/1/1999 0 - 1 ft.	SB-H9-8238-02 12/1/1999 0 - 1 ft.	SB-H9-8238-03 12/1/1999 0 - 1 ft.	SB-I11-9117-02 12/15/1999 0 - 1 ft.	TP-F10-19-01 7/25/2000 5 - 7 ft.	TP-F11-8227-07 8/8/2000 7.5 - 9.5 ft.
Energetics & Explosives											
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	370 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	741 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	390 U	400 U	350 U	430 U	250 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	163	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	6350 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	NR

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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-G10-8224-05 7/25/2000 3.5 - 5.5 ft.	TP-G10-8502-08 7/25/2000 3 - 5 ft.	TP-G10-8502-09 7/26/2000 5.5 - 7.5 ft.	TP-G11-9300A-01 8/2/2000 4.5 - 6.5 ft.	TP-G11-9304A-01 8/2/2000 3.5 - 5.5 ft.
Energetics & Explosives										
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	442 U	250 U	250 U	250 U	360 U	377 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	135	38.7 U	40.2 U	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5610 U	5550 U	5720 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	NR	NR

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7C

Analytical Results
Maintenance Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-H10-13-01 8/2/2000 0 - 2 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.	TP-H13-8158A-01 8/9/2000 5.5 - 7.5 ft.	TP-H9-8238-04 8/2/2000 7.5 - 9.5 ft.
Energetics & Explosives								
1,3,5-TRICHLOROBENZENE	UG/KG	NA	NA	NA	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	381 U	379 U	500 U	360 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	763 U	758 U	500 U	721 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	381 U	379 U	250 U	360 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	37.5 UJ	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5460 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	NR

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-04 11/23/1999 0 - 2 ft.	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-458-02 12/16/1999 0 - 2 ft.	SB-F12-4-01 4/18/2000 0 - 1.5 ft.	SB-F12-4-03 12/9/1999 0 - 2 ft.
Polychlorinated Biphenyls												
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	21 UJ	51 UJ	25 UJ	23 R	24 U	22 R	20 U	19 UJ
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	21 U	51 U	25 U	23 R	24 U	22 R	20 U	19 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	21 U	51 U	25 U	23 R	24 U	22 R	20 U	19 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	21 U	51 U	25 U	23 R	24 U	22 R	20 U	19 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	21 U	51 U	25 U	23 R	24 U	22 R	20 U	19 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	21 U	51 U	25 U	94 R	24 U	22 R	41 P	19 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	41 U	100 U	15 J	44 R	46 U	43 R	39 U	42
TOTAL PCBS	UG/KG	50000	490	2000	41 U	100 U	15 J	253 R	46 U	175 R	41 P	42

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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-108B-04 11/22/1999 0 - 2 ft.	SB-G10-108B-05 11/22/1999 0 - 0.5 ft.	SB-G10-2008-03 11/30/1999 0 - 1 ft.	SB-G10-5-02 12/15/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.	SB-G10-8108-07 11/23/1999 0 - 1 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	20 UJ	24 UJ	20 UJ	21 R	20 U	19 UJ	210 UJ
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	20 U	24 U	20 UJ	21 R	20 U	19 U	210 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	20 U	24 U	20 UJ	21 R	20 U	19 U	210 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	20 U	24 U	20 UJ	21 R	20 U	19 U	210 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	20 U	24 U	20 UJ	21 R	20 U	19 U	210 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	20 U	24 U	20 UJ	340 R	160 P	19 U	1900 P
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	240	47 U	7600 J	41 R	40 U	38 U	1500 P
TOTAL PCBS	UG/KG	50000	490	2000	240	47 U	**7600 J**	486 R	160 P	38 U	**3400 P**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns
NR = Not Reported
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ft. = Feet below ground surface

Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8108-08 11/23/1999 0 - 1 ft.	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8216-02 9/27/2000 0 - 1.5 ft.	SB-G10-8522-01 12/15/1999 0 - 1.5 ft.	SB-G10-8522-02 12/15/1999 0 - 0.5 ft.	SB-G10-8682-05 12/2/1999 0 - 2 ft.
Polychlorinated Biphenyls										
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	19 UJ	18 U	37.7 U	110 R	40 R	2000 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	19 U	18 U	37.7 U	110 R	40 R	2000 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	19 U	18 U	37.7 U	110 R	40 R	2000 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	19 U	18 U	37.7 U	110 R	40 R	2000 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	19 U	18 U	37.7 U	110 R	40 R	2000 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	19 U	219	110	1800 R	670 R	2000 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	130	35 U	75.5 U	210 R	78 R	4400
TOTAL PCBS	UG/KG	50000	490	2000	130	219	110	2560 R	948 R	**4400**

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Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-4-01 12/8/1999 0 - 2 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	171 U	22 R	21 R	22 UJ	20 UJ	21 UJ	20 UJ
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	171 U	22 R	21 R	22 U	20 U	21 UJ	20 UJ
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	171 U	22 R	21 R	22 U	20 U	21 UJ	20 UJ
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	171 U	22 R	21 R	22 U	20 U	21 UJ	20 UJ
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	171 U	22 R	21 R	22 U	20 U	21 UJ	20 UJ
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	1440	22 R	21 R	22 U	20 U	180 J	20 UJ
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	341 U	43 R	41 R	60 J	660	40 UJ	40 UJ
TOTAL PCBS	UG/KG	50000	490	2000	**1440**	175 R	167 R	60 J	**660**	180 J	40 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-7-01 12/1/1999 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8205-02 6/15/2000 0 - 1.25 ft.	SB-G9-8205-05 12/9/1999 0 - 0.5 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	20 UJ	210 UJ	38.5 U	19 UJ	990 UJ	23 UJ	177 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	20 U	210 U	38.5 U	19 U	990 UJ	23 UJ	177 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	20 U	210 U	38.5 U	19 U	990 UJ	23 UJ	177 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	20 U	210 U	38.5 U	19 U	990 UJ	23 UJ	177 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	20 U	210 U	38.5 U	19 U	990 UJ	23 UJ	177 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	160 P	3200 P	38.5 U	19 U	8900 J	620 J	1650
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	150 P	3000 J	77 U	340 P	4900 J	390 J	353 U
TOTAL PCBS	UG/KG	50000	490	2000	310 P	**6200 J**	77 U	340 P	**13800 J**	**1010 J**	**1650**

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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P = Indicates that there is greater that 25% difference for detected Pesticides/Aroclor results between the two GC columns
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Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.	SB-H10-9308-02 12/3/1999 0 - 2 ft.	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H11-12-01 12/10/1999 0 - 1.5 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	20000 U	21 UJ	24 UJ	1200 UJ	19 UJ	39 U	21 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	20000 U	21 U	24 UJ	1200 UJ	19 UJ	39 U	21 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	20000 U	21 U	24 UJ	1200 UJ	19 UJ	39 U	21 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	20000 U	21 U	24 UJ	1200 UJ	19 UJ	39 U	21 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	20000 U	21 U	24 UJ	1200 UJ	19 UJ	39 U	21 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	150000	21 U	480 J	15000 J	19 UJ	39 U	97
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	40000 U	120	320 J	6700 J	280 J	595	75
TOTAL PCBS	UG/KG	50000	490	2000	**150000**	120	**800 J**	**21700 J**	280 J	**595**	172

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-762-03 12/7/1999 0 - 1.5 ft.	SB-H11-9307-01 6/15/2000 0 - 1 ft.	SB-H11-9307-02 12/9/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H12-689-01 6/15/2000 0 - 1.25 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	21 U	20 U	40.1 U	20 UJ	21 UJ	21 UJ	23 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	21 U	20 U	40.1 U	20 U	21 UJ	21 UJ	23 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	21 U	20 U	40.1 U	20 U	21 UJ	21 UJ	23 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	21 U	20 U	40.1 U	20 U	21 UJ	21 UJ	23 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	21 U	20 U	40.1 U	20 U	21 UJ	21 UJ	23 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	370	20 U	40.1 U	20 U	110 J	310 J	23 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	230	39 U	20.4 J	37 J	94 J	240 J	46 U
TOTAL PCBS	UG/KG	50000	490	2000	**600**	39 U	20.4 J	37 J	204 J	**550 J**	46 U

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Table 5-7D

Analytical Results
Maintenance Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-689-03 12/15/1999 0 - 1 ft.	SB-H13-5-01 12/8/1999 0 - 2 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.
Polychlorinated Biphenyls								
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	22 R	22 UJ	22 UJ	20 UJ
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	22 R	22 U	22 U	20 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	22 R	22 U	22 U	20 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	22 R	22 U	22 U	20 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	22 R	22 U	22 U	20 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	27 R	22 U	22 U	20 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	33 R	43 UJ	82 P	16 J
TOTAL PCBS	UG/KG	50000	490	2000	170 R	43 U	82 P	16 J

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-1-04 11/23/1999 0 - 2 ft.	SB-F10-1-06 11/23/1999 0 - 1 ft.	SB-F10-1-07 11/23/1999 0 - 1 ft.	SB-F10-20-02 7/12/2000 0 - 1.5 ft.	SB-F10-37B-02 12/10/1999 0 - 0.5 ft.	SB-F10-37B-03 6/23/2000 0 - 1 ft.	SB-F10-44-04 4/18/2000 0 - 1.5 ft.	SB-F10-44-05 12/8/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.45 UN	1.3 BN	0.57 UN	0.928 J	0.32 BN	0.678 UJ	0.36 J	0.3 BN
ARSENIC	MG/KG	NA	20	20	3.1	7.1	6.2	**173**	4.2 J	9.05	6.1 *	7
BERYLLIUM	MG/KG	NA	2	2	0.69	0.67 B	0.58	0.441	0.24	0.666	0.33	0.7
CADMIUM	MG/KG	NA	39	100	0.27 U	0.49 B	0.34 U	0.329 J	0.23 U	0.339 U	0.07 B	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.3 N	118 N	18.3 N	10.4	26.7	26 J	8.6 *	14.9
COPPER	MG/KG	NA	600	600	187 J	**846 J**	**679 J**	48.4	23.3	70.8	65.1 J	134
LEAD	MG/KG	NA	400	600	86.1 J	**1370 J**	146 J	201 J	51.6	74.8	255 J	128
MERCURY	MG/KG	NA	14	270	0.06 N	1.3 N	0.15 N	0.704	1.2	0.483 J	0.34 J	1.8
NICKEL	MG/KG	NA	250	2400	9.5 J	23.6 J	11.1 J	9.62	5.5	12.7 J	8.4 *	9.5
SELENIUM	MG/KG	NA	63	3100	1.4	3.9	1.3	2.74	0.61	0.379 J	1.6 N	2.3
SILVER	MG/KG	NA	110	4100	0.14 B	0.75 B	0.24 B	0.348 U	0.13 B	0.339 U	0.32 U	0.33 U
THALLIUM	MG/KG	NA	2	2	0.9 U	2.9 U	1.1 U	1.16 U	0.77 U	1.13 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	96.7 J	248 J	248 J	72	49.4	129 J	67.3 J	205

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8576-05 12/16/1999 0 - 1.5 ft.	SB-F11-2-03 12/10/1999 0 - 2 ft.	SB-F11-2292-02 4/18/2000 0 - 2 ft.	SB-F11-2292-03 12/8/1999 0 - 2 ft.	SB-F11-43-02 6/23/2000 0 - 1 ft.	SB-F11-43-03 12/10/1999 0 - 0.5 ft.	SB-F11-456-01 4/18/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.32 BN	**1140 N**	0.85 UJ	0.36 UN	0.609 UJ	0.49 UN	0.75 UJ
ARSENIC	MG/KG	NA	20	20	11.8 J	**356 J**	3.8 *	4.8	12.6	12.5 J	6.1 *
BERYLLIUM	MG/KG	NA	2	2	0.38 J	0.24 B	0.8	0.78	0.405	0.44	0.56
CADMIUM	MG/KG	NA	39	100	0.06 B	2.5 B	0.43 U	0.22 U	0.304 U	0.29 U	0.37 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.7	7.5	14 *	15.3	104 J	21.6	11.4 *
COPPER	MG/KG	NA	600	600	344	**3350**	7.4 J	9.4	47.4	55.3	18.4 J
LEAD	MG/KG	NA	400	600	64.1	**100000**	14.8 J	12.5	201	54.2	27.1 J
MERCURY	MG/KG	NA	14	270	0.47 J	2	0.05 J	0.04	0.152 J	0.08	0.21 J
NICKEL	MG/KG	NA	250	2400	9.1 J	32.8	5.2 *	4.4	65.1 J	14	7.5 *
SELENIUM	MG/KG	NA	63	3100	2.7 N	3.8 B	0.84 N	1.5	0.507 U	1.3	1.2 N
SILVER	MG/KG	NA	110	4100	0.37 U	13.6	0.43 U	0.22 U	0.304 U	0.29 U	0.37 U
THALLIUM	MG/KG	NA	2	2	1.2 U	9.7 U	1.4 U	0.73 U	1.01 U	0.98 U	1.2 U
ZINC	MG/KG	NA	1500	1500	25.9 J	397	39.8 J	35.7	261 J	56.5	58.8 J

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ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-456-02 12/8/1999 0 - 2 ft.	SB-F11-458-01 4/18/2000 0 - 2 ft.	SB-F11-458-02 12/16/1999 0 - 2 ft.	SB-F11-6813-01 12/8/1999 0 - 2 ft.	SB-F11-8113-02 12/10/1999 0 - 2 ft.	SB-F11-8227-01 12/8/1999 0 - 1 ft.	SB-F11-8227-06 12/15/1999 0 - 10 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.29 J	0.73 UJ	0.89 N	2 N	0.61 N	0.39 BN	3.3 U
ARSENIC	MG/KG	NA	20	20	9.5	11.8 *	12 J	**49.2**	12.1 J	**29.3**	7.2
BERYLLIUM	MG/KG	NA	2	2	0.7	0.23	0.52 J	0.29 B	0.48	0.53	0.46 B
CADMIUM	MG/KG	NA	39	100	0.37 U	0.11 B	0.22 B	0.34 U	0.36 U	0.34 U	2.7
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16	10.3 *	14.7	14.3	13.4	13.1	10.5
COPPER	MG/KG	NA	600	600	28.4	20.3 J	42.5	54.3	97.9	34.9	131
LEAD	MG/KG	NA	400	600	236	38.1 J	124	364	**481**	66.6	62.3
MERCURY	MG/KG	NA	14	270	0.74	0.32 J	0.58 J	1.2	0.38	0.34	0.77
NICKEL	MG/KG	NA	250	2400	13.8	6.6 *	11.7 J	12.1	14.5	8.3	11.5
SELENIUM	MG/KG	NA	63	3100	1.9	1.9 N	2.3 N	1.8	2.5	1.4	3 BN
SILVER	MG/KG	NA	110	4100	0.37 U	0.37 U	0.31 U	0.14 B	0.36 U	0.34 U	1.5 B
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	0.82 B	1.1 U	1.2 U	1.1 U	6.6 UN
ZINC	MG/KG	NA	1500	1500	283	30.5 J	75.9 J	57.5	55.6	230	1220

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-A2-01 12/10/1999 0 - 1 ft.	SB-F12-4-01 4/18/2000 0 - 1.5 ft.	SB-F12-4-03 12/9/1999 0 - 2 ft.	SB-F12-F6-01 4/18/2000 0 - 2 ft.	SB-F12-F6-02 12/2/1999 0 - 1 ft.	SB-G10-1-02 11/23/1999 0 - 1 ft.	SB-G10-108B-04 11/22/1999 0 - 2 ft.	SB-G10-108B-05 11/22/1999 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.97 N	0.63 UJ	0.44 UN	0.62 UJ	0.5 UJ	0.72 N	0.32 UN	0.38 UN
ARSENIC	MG/KG	NA	20	20	**239 J**	3.2 *	3	4.2 *	5.1 J	**84.2**	4 *	9.7 *
BERYLLIUM	MG/KG	NA	2	2	0.57	0.41	0.3	0.58	0.64	0.39	0.54	0.86
CADMIUM	MG/KG	NA	39	100	0.33 U	0.09 B	0.27 U	0.31 U	0.3 UJ	0.21 B	0.34 N	0.19 BN
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.6	11.7 *	10.6 J	18.5 *	16.3 J	15.4 N	18.5	24.2
COPPER	MG/KG	NA	600	600	36.1	19.3 J	20	17.6 J	13.3 J	63.6 J	144 J	35.9 J
LEAD	MG/KG	NA	400	600	168	31.9 J	39	26.4 J	14.8 J	120 J	62.3	14.7
MERCURY	MG/KG	NA	14	270	0.29	0.07 J	0.09 J	0.26 J	0.09 J	10.5 N	0.39 *	0.1 *
NICKEL	MG/KG	NA	250	2400	9.5	10.3 *	7.9	10.5 *	7.4 J	11.1 J	22.7	16.5
SELENIUM	MG/KG	NA	63	3100	1.6	0.73 N	0.77 U	0.53 N	1.1 J	21.6	0.58 U	0.59 U
SILVER	MG/KG	NA	110	4100	0.33 U	0.32 U	0.27 U	0.31 U	0.3 U	0.16 B	0.08 J	0.23 UJ
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 U	0.88 U	1 U	1 UJ	0.99 U	0.64 U	0.77 U
ZINC	MG/KG	NA	1500	1500	36.4	60.9 J	41.1	72.2 J	71.2 J	87.8 J	186 N	70.1 N

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-13-01 7/13/2000 0 - 0.5 ft.	SB-G10-13-02 9/27/2000 0 - 1 ft.	SB-G10-16-02 11/30/1999 0 - 1 ft.	SB-G10-172A-01 12/1/1999 0 - 2 ft.	SB-G10-18-04 7/13/2000 0 - 1.25 ft.	SB-G10-2-03 11/22/1999 0 - 1 ft.	SB-G10-2008-03 11/30/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.585 UJ	0.633 U	0.6 N	5.9 N	0.339 J	1.3 N	0.53 UN
ARSENIC	MG/KG	NA	20	20	5.17	3.63	**115**	**35.1**	**48.5**	15.7 *	3.3
BERYLLIUM	MG/KG	NA	2	2	0.164	0.228	1.1	0.64 J	0.059 J	0.86	0.06 B
CADMIUM	MG/KG	NA	39	100	0.085 J	0.071 B	1.4	4	0.308 U	1.8 N	0.13 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.9	8.02	22	68.3	8.43	56.5	5.4
COPPER	MG/KG	NA	600	600	92.2	8.23 J	40.6	**6000**	21.5	110 J	4.2
LEAD	MG/KG	NA	400	600	56.2	9.97	**412**	**3560**	**438**	341	23.4
MERCURY	MG/KG	NA	14	270	0.122	0.047	0.38	3.2	0.216	0.93 *	0.09
NICKEL	MG/KG	NA	250	2400	8.4	3.74	11.2	95.7	5.16	**1020**	2
SELENIUM	MG/KG	NA	63	3100	0.487 U	0.528 U	2.2	5.8	1.14	3.1	0.84
SILVER	MG/KG	NA	110	4100	0.292 U	0.317 U	0.15 B	5.5	0.308 U	0.37 J	0.32 U
THALLIUM	MG/KG	NA	2	2	0.975 U	1.06 U	1 U	5.1 U	1.03 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	104	25.3	69.5	623	45.1	357 N	12.2

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-2009-03 11/30/1999 0 - 1 ft.	SB-G10-269-02 9/27/2000 0 - 1 ft.	SB-G10-269-03 7/13/2000 0 - 1.25 ft.	SB-G10-271-01 7/13/2000 0 - 0.5 ft.	SB-G10-271-02 9/27/2000 0 - 2 ft.	SB-G10-3-01 12/15/1999 0 - 0.5 ft.	SB-G10-4-02 12/14/1999 0 - 0.8 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.33 BN	0.98	0.582 UJ	0.96 J	1.22	9.7	0.77 N
ARSENIC	MG/KG	NA	20	20	**20.4**	**26.6**	13.3	13.6	11.1	**90.6**	**22.7**
BERYLLIUM	MG/KG	NA	2	2	0.27	0.398	0.417	0.241	0.566	**5.2**	0.54
CADMIUM	MG/KG	NA	39	100	1.6	0.175 B	0.266 J	0.074 J	0.331 B	11.8	2.3
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	25.9	10.9	13.8	16.2	12.5	486	31.3
COPPER	MG/KG	NA	600	600	28.9	17.8 J	29.1	62.2	61.9 J	392	244
LEAD	MG/KG	NA	400	600	**556**	88.1	95.6 J	**400**	314	**2910**	370
MERCURY	MG/KG	NA	14	270	0.22	0.47	0.105	0.938	0.9	**29.2**	13.8
NICKEL	MG/KG	NA	250	2400	19.6	6.4	10.2	14.4	11.8	**1070**	169
SELENIUM	MG/KG	NA	63	3100	1.1	0.579 U	1.16	0.684	0.701	6.6 BN	3.9
SILVER	MG/KG	NA	110	4100	0.16 B	0.283 B	0.291 U	0.357	0.368	1.8 B	0.14 B
THALLIUM	MG/KG	NA	2	2	0.83 U	1.16 U	0.97 U	0.914 U	1.14 U	13.5 UN	0.96 U
ZINC	MG/KG	NA	1500	1500	214	48.5	60.2	66	72.6	907	271

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-4-05 12/14/1999 0 - 1 ft.	SB-G10-459-04 4/18/2000 0 - 1 ft.	SB-G10-459-05 12/15/1999 0 - 2 ft.	SB-G10-5-02 12/15/1999 0 - 1 ft.	SB-G10-5-03 4/18/2000 0 - 1.5 ft.	SB-G10-8106-01 12/1/1999 0 - 1 ft.	SB-G10-8106-02 12/1/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.79 N	0.61 UJ	0.53 U	0.6 U	0.92 J	0.17 BN	0.8 N
ARSENIC	MG/KG	NA	20	20	**41**	3.2 *	6.6	9.5	9.3 *	14.3	13.7
BERYLLIUM	MG/KG	NA	2	2	0.62	0.42	0.24 B	0.43	0.36	0.32 J	0.48 J
CADMIUM	MG/KG	NA	39	100	2.2	0.3 U	0.34	1.5	0.37	0.74	0.92
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	32.6	13 *	3.8	18.6	14.7 *	23.1	17.6
COPPER	MG/KG	NA	600	600	140	37.3 J	22.2	97.4	76.2 J	206	90.5
LEAD	MG/KG	NA	400	600	**995**	23 J	32.3	304	242 J	367	253
MERCURY	MG/KG	NA	14	270	6.8	0.06 J	0.06	1.7	0.86 J	0.62	0.32
NICKEL	MG/KG	NA	250	2400	56.3	6.2 *	7.6	13.8	11.7 *	72.7	41.5
SELENIUM	MG/KG	NA	63	3100	3.2	0.39 BN	1.7 N	1.6 N	1.3 N	2.3	1.9
SILVER	MG/KG	NA	110	4100	0.36	0.3 U	0.17 B	0.39	0.35 U	0.67	0.18 B
THALLIUM	MG/KG	NA	2	2	1.1	1 U	1.1 UN	1.2 UN	1.2 U	0.87 U	0.96 U
ZINC	MG/KG	NA	1500	1500	843	60.8 J	38.6	326	142 J	304	228

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8106A-04 11/30/1999 0 - 1 ft.	SB-G10-8106B-04 11/30/1999 0 - 1 ft.	SB-G10-8106C-04 11/30/1999 0 - 2 ft.	SB-G10-8108-06 11/23/1999 0 - 1 ft.	SB-G10-8108-07 11/23/1999 0 - 1 ft.	SB-G10-8108-08 11/23/1999 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.52 UN	**179 N**	0.44 UN	0.73 N	10.7 N	1.3 N
ARSENIC	MG/KG	NA	20	20	15.9	**41.7**	10.9	8.9	**99.7**	7.5
BERYLLIUM	MG/KG	NA	2	2	0.38	0.44 B	0.74	0.51	0.33 B	0.44
CADMIUM	MG/KG	NA	39	100	0.69	8.6	0.99	0.31 U	3.3	1.9
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	40.3	186	19.2	18 N	26.9 N	14.9 N
COPPER	MG/KG	NA	600	600	91.6	**1370**	60.5	107 J	317 J	232 J
LEAD	MG/KG	NA	400	600	**853**	**35300**	**436**	298 J	**7650 J**	**1120 J**
MERCURY	MG/KG	NA	14	270	2.3	0.88	**33.7**	0.55 N	0.72 N	1.6 N
NICKEL	MG/KG	NA	250	2400	16.7	**281**	13.4	20.8 J	19.7 J	12.5 J
SELENIUM	MG/KG	NA	63	3100	2.4	5.6	1.4	2.2	2	1.2
SILVER	MG/KG	NA	110	4100	0.21 B	22.6	0.26 U	0.31 U	5	0.76
THALLIUM	MG/KG	NA	2	2	1 U	8.8 U	0.88 U	1 U	3.9 U	0.77 U
ZINC	MG/KG	NA	1500	1500	168	892	200	160 J	600 J	963 J

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8114-03 12/15/1999 0 - 2 ft.	SB-G10-8159-03 12/15/1999 0 - 1.5 ft.	SB-G10-8159-05 12/15/1999 0 - 2 ft.	SB-G10-8159-06 12/15/1999 0 - 2 ft.	SB-G10-8204-02 11/22/1999 0 - 2 ft.	SB-G10-8204-05 11/22/1999 0 - 0.5 ft.	SB-G10-8213-07 11/30/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.63 U	0.6 B	0.57 U	0.61 U	1.4 N	0.44 UN	0.69 N
ARSENIC	MG/KG	NA	20	20	11.7	**20.1**	4.9	5.6	10.3 *	4 *	**32.3**
BERYLLIUM	MG/KG	NA	2	2	0.45	0.35 B	0.48	0.75	0.5	0.62	0.39
CADMIUM	MG/KG	NA	39	100	2.9	0.88	0.65	0.7	0.5 N	1.4 N	0.66
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.4	24.1	12.2	21.1	13.6	19.7	16.5
COPPER	MG/KG	NA	600	600	**1490**	116	52.2	21.7	184 J	122 J	86.9
LEAD	MG/KG	NA	400	600	183	**806**	84.1	19.5	**448**	103	**3420**
MERCURY	MG/KG	NA	14	270	0.75	1.1	0.24	0.08	1.2 *	0.65 *	0.78
NICKEL	MG/KG	NA	250	2400	11	9	7.4	13.8	12.7	18.3	12.9
SELENIUM	MG/KG	NA	63	3100	1.1 J	1.7 N	0.63 U	0.64 U	1.4	0.72 U	2.5
SILVER	MG/KG	NA	110	4100	0.26 B	0.29 B	0.11 B	0.36 U	0.15 J	0.4 J	0.43
THALLIUM	MG/KG	NA	2	2	1.3 UJ	1.2 UN	1.1 UN	1.2 UN	0.98 U	0.88 U	0.92 U
ZINC	MG/KG	NA	1500	1500	143	254	141	72.5	143 N	367 N	150

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8216-01 7/13/2000 0 - 1.25 ft.	SB-G10-8216-02 9/27/2000 0 - 1.5 ft.	SB-G10-8224-02 11/30/1999 0 - 1 ft.	SB-G10-8224-03 11/30/1999 0 - 1 ft.	SB-G10-8224-04 11/30/1999 0 - 1.5 ft.	SB-G10-8501-06 12/16/1999 0 - 1 ft.	SB-G10-8502-03 12/15/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.634 UJ	0.667 U	0.5 UN	0.43 UN	0.5 UN	0.64 N	4.9 U
ARSENIC	MG/KG	NA	20	20	5.98	6.63	**32.7**	7.9	17.3	**25.8 J**	**25.8**
BERYLLIUM	MG/KG	NA	2	2	0.306	0.847	0.5	0.46	0.61	0.62 J	1.1 B
CADMIUM	MG/KG	NA	39	100	0.08 J	0.271 B	0.53	0.64	0.59	0.31 U	4.7
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.1	22.9	14.2	13.7	16.9	16.7	94.4
COPPER	MG/KG	NA	600	600	60	43.4 J	44.8	55.5	60	185	164
LEAD	MG/KG	NA	400	600	107	53	309	83.2	226	361	**2660**
MERCURY	MG/KG	NA	14	270	0.158	0.147	0.14	2.2	1.3	5.1 J	5.9
NICKEL	MG/KG	NA	250	2400	15.3	16.4	13.5	9.9	12.7	18.3 J	**695**
SELENIUM	MG/KG	NA	63	3100	0.59	0.556 U	0.94	2.2	2.8	3.7 N	4 BN
SILVER	MG/KG	NA	110	4100	0.317 U	0.334 U	0.3 U	0.26 U	0.3 U	0.31 U	2.9 U
THALLIUM	MG/KG	NA	2	2	1.06 U	1.11 U	1 U	0.86 U	1 U	1.8	9.8 UN
ZINC	MG/KG	NA	1500	1500	118	137	339	82.6	135	243 J	1010

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-8502-07 12/15/1999 0 - 1 ft.	SB-G10-8503-03 12/17/1999 0 - 2 ft.	SB-G10-8522-02 12/15/1999 0 - 0.5 ft.	SB-G10-8682-05 12/2/1999 0 - 2 ft.	SB-G10-9100-01 11/22/1999 0 - 0.5 ft.	SB-G10-9106A-01 7/13/2000 0 - 0.5 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.94	1.3 N	2.6 B	0.47 UJ	1.1 N	0.445 UJ
ARSENIC	MG/KG	NA	20	20	**319**	**42.4 N**	**22.6**	7 J	**197 ***	4.36
BERYLLIUM	MG/KG	NA	2	2	0.67	0.68	0.48 B	0.46	0.34	0.369
CADMIUM	MG/KG	NA	39	100	2.7	0.37 U	2 B	0.28 UJ	0.4 N	0.223 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	72.6	51.7 J	113	13.9 J	13.2	16
COPPER	MG/KG	NA	600	600	164	112 N	370	76 J	76.5 J	27
LEAD	MG/KG	NA	400	600	**495**	211	**1110**	85.1 J	**965**	12.5
MERCURY	MG/KG	NA	14	270	13	**65.2 J**	2.6	0.22 J	0.42 *	0.097
NICKEL	MG/KG	NA	250	2400	82.5	22.8 J	117	10 J	10.6	11.4
SELENIUM	MG/KG	NA	63	3100	27.1 N	7.6 N	1.4 BN	1.4 J	2	0.488
SILVER	MG/KG	NA	110	4100	0.62	0.13 B	1.1 B	0.28 U	0.15 J	0.223 U
THALLIUM	MG/KG	NA	2	2	1.2 UN	**2**	11 UN	0.93 UJ	0.9 U	0.742 U
ZINC	MG/KG	NA	1500	1500	293	222	1250	149 J	88.8 N	51.9

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G10-9515-02 11/23/1999 0 - 1 ft.	SB-G11-1-01 7/14/2000 0 - 1 ft.	SB-G11-1-02 9/27/2000 0 - 1 ft.	SB-G11-2017A-02 12/16/1999 0 - 2 ft.	SB-G11-2017A-06 12/16/1999 0 - 2 ft.	SB-G11-2017B-01 12/15/1999 0 - 1 ft.	SB-G11-2017B-07 12/15/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	**20.5 N**	0.61 U	0.428 U	0.57 UN	0.33 BN	0.51 U	0.57 U
ARSENIC	MG/KG	NA	20	20	13.1	11.7	9.8	**35.2 J**	**24.4 J**	10.9	**221**
BERYLLIUM	MG/KG	NA	2	2	0.4	0.487	0.613 J	0.46 J	0.48 J	0.42	0.53
CADMIUM	MG/KG	NA	39	100	1.1	0.623	0.135 B	0.34 U	0.27 U	0.6	0.65
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	27.3 N	21.4	18.6	17.5	14	13.4	11.1
COPPER	MG/KG	NA	600	600	155 J	34.6	40.5	67.3	23.2	31.2	70.3
LEAD	MG/KG	NA	400	600	**709 J**	50.9	66.1 J	87.2	127	85.1	156
MERCURY	MG/KG	NA	14	270	1.6 N	0.15	0.253	0.09 J	0.07 J	1.5	0.17
NICKEL	MG/KG	NA	250	2400	14.1 J	23.1	15.5	9.2 J	8.6 J	7.2	8.5
SELENIUM	MG/KG	NA	63	3100	1.5	1.11	0.646	1.9 N	1.5 N	1.3 N	1.3 N
SILVER	MG/KG	NA	110	4100	0.26 B	0.305 U	0.345 U	0.34 U	0.27 U	0.1 B	0.12 B
THALLIUM	MG/KG	NA	2	2	1 U	1.02 U	1.15 U	1.1 B	0.9 U	1 UN	1.1 UN
ZINC	MG/KG	NA	1500	1500	292 J	207	55	71.4 J	63.1 J	92.1	128

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-2017B-08 12/15/1999 0 - 2 ft.	SB-G11-2259-01 12/2/1999 0 - 1.5 ft.	SB-G11-2259-06 12/2/1999 0 - 1 ft.	SB-G11-3-01 12/9/1999 0 - 1.5 ft.	SB-G11-5-02 12/2/1999 0 - 1 ft.	SB-G11-66-03 12/9/1999 0 - 1.5 ft.	SB-G11-66-05 12/9/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.57 U	0.79 J	1.3 J	0.23 BN	0.3 J	0.54 UN	0.36 BN
ARSENIC	MG/KG	NA	20	20	2.6	**120 J**	**78.7 J**	**27.6**	**46.2 J**	15.3	10.7
BERYLLIUM	MG/KG	NA	2	2	0.4	0.6	0.99	0.77	0.16 B	0.4	0.58
CADMIUM	MG/KG	NA	39	100	0.48	0.38 J	0.15 J	0.37 U	0.13 J	0.32 U	0.31 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.6	18.1 J	13 J	10.9 J	7.9 J	14.5 J	15.2 J
COPPER	MG/KG	NA	600	600	58.5	30.2 J	69.6 J	91.5	10.8 J	106	**1070**
LEAD	MG/KG	NA	400	600	15.6	77 J	138 J	327	30.2 J	120	86.7
MERCURY	MG/KG	NA	14	270	0.05	0.84 J	0.42 J	1.7 J	0.07 J	2.2 J	0.54 J
NICKEL	MG/KG	NA	250	2400	5	11.3 J	16.9 J	10.2	4.6 J	11.1	9.7
SELENIUM	MG/KG	NA	63	3100	0.63 U	2.1 J	2 J	3.3 N	0.42 J	2.2 N	2.3 N
SILVER	MG/KG	NA	110	4100	0.12 B	0.12 B	0.15 B	0.37 U	0.33 U	0.32 U	0.25 B
THALLIUM	MG/KG	NA	2	2	1.1 UN	0.45 J	1.2 UJ	1.2 U	1.1 UJ	1.1 U	1 U
ZINC	MG/KG	NA	1500	1500	69.4	555 J	386 J	44.6	31.4 J	52.3	107

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-8208-05 12/10/1999 0 - 1.5 ft.	SB-G11-8212-04 12/2/1999 0 - 0.5 ft.	SB-G11-8257-03 12/9/1999 0 - 1.5 ft.	SB-G11-9300-03 12/7/1999 0 - 2 ft.	SB-G11-9300-05 12/7/1999 0 - 2 ft.	SB-G11-9304-02 12/2/1999 0 - 2 ft.	SB-G11-9304-05 12/2/1999 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.58 UJ	1.4 J	0.48 UN	0.84 J	0.93 J	0.51 UJ	0.25 J
ARSENIC	MG/KG	NA	20	20	**21.6 J**	**57.1 J**	**28.8**	5.2	7.1	**53.1 J**	8 J
BERYLLIUM	MG/KG	NA	2	2	0.44	0.4	0.62	0.51	0.59	0.36	0.42
CADMIUM	MG/KG	NA	39	100	0.35 U	0.36 UJ	0.29 U	0.29 U	0.31 U	0.31 UJ	0.29 UJ
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10.5	33.6 J	17.2 J	10.4 J	17 J	10.7 J	17.1 J
COPPER	MG/KG	NA	600	600	27.7	33.2 J	32.1	553 J	69.4 J	18.6 J	37.6 J
LEAD	MG/KG	NA	400	600	62.4	79.7 J	104	**901 J**	**6590 J**	50.9 J	27.3 J
MERCURY	MG/KG	NA	14	270	0.64	0.34 J	0.2 J	**132**	2.4	0.14 J	0.04 J
NICKEL	MG/KG	NA	250	2400	11	11.4 J	12.3	7.7 J	9.9 J	6.8 J	11.3 J
SELENIUM	MG/KG	NA	63	3100	2.1	2.3 J	1.6 N	1 *	1.9 *	1.1 J	0.42 J
SILVER	MG/KG	NA	110	4100	0.35 U	0.36 U	0.29 U	0.22 B	1.2	0.31 U	0.29 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 UJ	0.96 U	0.96 U	1 U	1 UJ	0.95 UJ
ZINC	MG/KG	NA	1500	1500	36.2	24.2 J	102	152	214	350 J	140 J

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G11-9305-01 4/18/2000 0 - 1 ft.	SB-G11-9305-02 12/7/1999 0 - 2 ft.	SB-G11-9309-01 12/3/1999 0 - 0.5 ft.	SB-G11-9309-05 12/3/1999 0 - 1 ft.	SB-G11-B86-01 12/3/1999 0 - 1 ft.	SB-G11-B86-03 12/3/1999 0 - 0.5 ft.	SB-G12-12-01 12/2/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.83 J	0.49 UJ	2.4 N	0.36 BN	0.8 N	7.6 N	0.55 UJ
ARSENIC	MG/KG	NA	20	20	**221 ***	10.1	**587 ***	**53.7 ***	**156 ***	**1150 ***	10.9 J
BERYLLIUM	MG/KG	NA	2	2	0.15	0.29 B	0.54 J	0.57 J	0.32 J	0.6 J	0.65
CADMIUM	MG/KG	NA	39	100	0.37 U	0.29 U	22.4	0.08 B	0.04 B	0.26 U	0.33 UJ
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10 *	16.2 J	24.6	9.5	9.5	9.9	15.5 J
COPPER	MG/KG	NA	600	600	22.3 J	51.5 J	73.2 *	29.4 *	23.9 *	29.2 *	17.9 J
LEAD	MG/KG	NA	400	600	83.3 J	34.3 J	199	87.6	83.8	31.5	44.3 J
MERCURY	MG/KG	NA	14	270	0.28 J	0.05	0.57	0.24	0.18	0.21	0.13 J
NICKEL	MG/KG	NA	250	2400	15.5 *	9 J	25	12.9	8.2	13.4	7.5 J
SELENIUM	MG/KG	NA	63	3100	1.7 N	1 *	2.6 N	1.6 N	1.4 N	2.7 N	1.5 J
SILVER	MG/KG	NA	110	4100	0.37 U	0.29 U	0.23 B	0.13 B	0.12 B	0.11 B	0.33 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.97 U	1.1 U	0.97 U	0.94 U	0.88 U	1.1 UJ
ZINC	MG/KG	NA	1500	1500	101 J	127	391	58.4	37.8	44.5	86.2 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-12-03 4/18/2000 0 - 1.5 ft.	SB-G12-6-03 6/15/2000 0 - 1 ft.	SB-G12-6-04 12/1/1999 0 - 0.5 ft.	SB-G12-775-03 12/1/1999 0 - 1 ft.	SB-G12-8109-01 6/15/2000 0 - 2 ft.	SB-G12-8109-02 12/10/1999 0 - 1 ft.	SB-G12-8203-01 12/1/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.66 UJ	0.69 U	0.46 UN	0.47 UN	0.428 J	0.48 UN	0.51 UN
ARSENIC	MG/KG	NA	20	20	5.9 *	7.25	6.7	**20.6**	**106**	5.5 J	6.6
BERYLLIUM	MG/KG	NA	2	2	0.46	0.503	0.47 J	0.56 J	0.428	0.65	0.39 J
CADMIUM	MG/KG	NA	39	100	0.12 B	0.309 J	0.51	0.4	0.262 J	0.29 U	2
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.1 *	20.9	23.5	12.5	13.1	25.1	18.5
COPPER	MG/KG	NA	600	600	16.6 J	33.2	40.3	44	24.2	14.7	38.4
LEAD	MG/KG	NA	400	600	80.2 J	115	145	40.8	45.3	18.5	215
MERCURY	MG/KG	NA	14	270	0.14 J	0.601	1.5	0.26	0.14	0.05	0.2
NICKEL	MG/KG	NA	250	2400	6.7 *	9.8	9.5	8.3	9.33	14	11.2
SELENIUM	MG/KG	NA	63	3100	0.79 N	0.866	1.1	1.1	1.03	0.99	0.96
SILVER	MG/KG	NA	110	4100	0.33 U	0.345 U	0.09 B	0.28 U	0.342 U	0.29 U	0.31 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.15 U	0.92 U	0.94 U	1.14 U	0.89 B	1 U
ZINC	MG/KG	NA	1500	1500	124 J	119	113	85.8	38.5	75.6	638

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G12-8203-03 12/1/1999 0 - 2 ft.	SB-G8-A12-01 6/15/2000 0 - 0.75 ft.	SB-G8-A12-05 12/16/1999 0 - 1 ft.
Metals, Total							
ANTIMONY	MG/KG	NA	14	340	0.47 UN	0.675 UJ	0.16 BN
ARSENIC	MG/KG	NA	20	20	10.8	3.62	3.9 J
BERYLLIUM	MG/KG	NA	2	2	0.51 J	0.614	0.56 J
CADMIUM	MG/KG	NA	39	100	1.1	0.337 U	0.25 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15	18.3	19.5
COPPER	MG/KG	NA	600	600	54.4	25.9	287
LEAD	MG/KG	NA	400	600	165	24.7 J	41.3
MERCURY	MG/KG	NA	14	270	0.24	0.046	0.04 J
NICKEL	MG/KG	NA	250	2400	8.9	9.05	7.9 J
SELENIUM	MG/KG	NA	63	3100	1.4	0.629	0.91 U
SILVER	MG/KG	NA	110	4100	0.09 B	0.337 U	0.25 U
THALLIUM	MG/KG	NA	2	2	0.95 U	0.899 J	0.57 B
ZINC	MG/KG	NA	1500	1500	371	62.4	137 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-15-01 12/10/1999 0 - 1 ft.	SB-G9-15-02 6/15/2000 0 - 2 ft.	SB-G9-2-03 11/23/1999 0 - 1 ft.	SB-G9-8105-05 6/23/2000 0 - 1 ft.	SB-G9-8107-02 11/23/1999 0 - 1 ft.	SB-G9-8107-05 11/23/1999 0 - 2 ft.	SB-G9-8182-01 11/22/1999 0 - 0.5 ft.	SB-G9-8182-05 11/22/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.53 N	0.684 UJ	10.7 J	2.58 J	7.2 N	1 N	11 N	7.4 J
ARSENIC	MG/KG	NA	20	20	6.9 J	3.93	19.2	4.4	**169**	**67.3**	**20.8** *	10.8 *
BERYLLIUM	MG/KG	NA	2	2	0.34	0.846	0.65 B	0.462	0.5	0.97	0.58	0.46
CADMIUM	MG/KG	NA	39	100	0.19 B	0.342 U	0.19 B	0.218 U	0.49	1.1	1 N	0.65 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.1	20.1	45 J	14.9 J	40.6 N	17.3 N	89.4	17.4
COPPER	MG/KG	NA	600	600	33.4	19.3	**4170 J**	45.8	171 J	89.4 J	361 J	81.8 J
LEAD	MG/KG	NA	400	600	61.8	20.4 J	**496 J**	342	**745 J**	265 J	**2860**	**528**
MERCURY	MG/KG	NA	14	270	0.14	0.308	2.1 UJ	0.99 J	1.7 N	0.41 N	1 *	0.44 *
NICKEL	MG/KG	NA	250	2400	10	11.9	38.1 J	7.68 J	19.9 J	14.2 J	51.3	12.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1	0.57 U	1.3 B	0.265 J	2	1.9	2.5	0.97 U
SILVER	MG/KG	NA	110	4100	0.3 U	0.342 U	1.7 B	0.218 U	0.61	0.15 B	1.5 J	0.47 J
THALLIUM	MG/KG	NA	2	2	1 U	**2.31**	5.9 U	0.727 U	1.2 U	1.2 U	1.8 U	0.99 U
ZINC	MG/KG	NA	1500	1500	104	88.2	317 J	115 J	290 J	216 J	459 N	186 J

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-8187-01 12/9/1999 0 - 1 ft.	SB-G9-8187-02 6/15/2000 0 - 1 ft.	SB-G9-8205-02 6/15/2000 0 - 1.25 ft.	SB-G9-8205-05 12/9/1999 0 - 0.5 ft.	SB-G9-8267-04 11/23/1999 0 - 2 ft.	SB-G9-9321-02 12/9/1999 0 - 1 ft.	SB-G9-9321-08 12/9/1999 0 - 1 ft.	SB-H10-10-02 12/3/1999 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.19 BN	0.348 J	0.538 UJ	0.43 UN	2.4 N	0.26 BN	0.42 UN	0.67 N
ARSENIC	MG/KG	NA	20	20	11.2	2.66	2.78	2.7	**49**	16.8	3.9	**88.7**
BERYLLIUM	MG/KG	NA	2	2	0.64	0.428	0.543	0.44	0.33	0.19 B	0.91	0.45 J
CADMIUM	MG/KG	NA	39	100	0.29 U	0.334 U	0.269 U	0.26 U	0.54	0.37 U	0.86	0.75
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.4 J	12.2	13.1	7.1 J	43.5 N	9.8 J	7.7 J	21.2
COPPER	MG/KG	NA	600	600	52	18.3	15.1	11.3	193 J	30.7	40	62.3
LEAD	MG/KG	NA	400	600	109	23 J	16.8 J	5.2	**1070 J**	287	53.6	**1040**
MERCURY	MG/KG	NA	14	270	0.21 J	0.457	0.069	0.02 J	0.76 N	0.46 J	0.08 J	0.5
NICKEL	MG/KG	NA	250	2400	18.1	8.42	8.1	5.8	10.2 J	11.4	8.2	13.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.7 N	0.557 U	0.448 U	0.57 U	1.9	2 N	0.88 N	2
SILVER	MG/KG	NA	110	4100	0.29 U	0.334 U	0.269 U	0.26 U	0.56	0.37 U	0.16 B	0.15 B
THALLIUM	MG/KG	NA	2	2	0.96 U	1.36	1.54	0.86 U	1.1 U	1.2 U	0.84 U	0.94 U
ZINC	MG/KG	NA	1500	1500	109	130	68.2	32	182 J	26.1	625	134

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-10-07 12/3/1999 0 - 1 ft.	SB-H10-11-05 12/9/1999 0 - 1 ft.	SB-H10-12-01 12/9/1999 0 - 2 ft.	SB-H10-14-01 12/3/1999 0 - 1 ft.	SB-H10-14-02 12/3/1999 0 - 2 ft.	SB-H10-154B-03 12/3/1999 0 - 1 ft.	SB-H10-16-02 12/2/1999 0 - 0.75 ft.	SB-H10-17-03 7/13/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.37 BN	0.82 N	0.66 N	**15.9 N**	7.8 N	1.6 N	0.85 J	NR
ARSENIC	MG/KG	NA	20	20	4.7 *	10.9	8.5	16 *	8.4 *	**20.9** *	12.1 J	NR
BERYLLIUM	MG/KG	NA	2	2	0.79 J	0.35	0.28 B	0.37 J	0.42 J	0.94 J	0.26 B	NR
CADMIUM	MG/KG	NA	39	100	8	0.16 B	0.29 U	0.29 U	0.3 U	0.33 B	0.34 UJ	NR
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	119	35.5 J	17.4 J	17.2	10.5	24.2	8 J	NR
COPPER	MG/KG	NA	600	600	95.9 *	65.7	13.2 U	36.7 *	38 *	51.5 *	31.2 J	NR
LEAD	MG/KG	NA	400	600	181	**852**	**2370**	**9820**	**8330**	**538**	**4280 J**	NR
MERCURY	MG/KG	NA	14	270	0.32	0.27 J	1.4 J	0.86	1.8	1.6	0.42 J	0.134
NICKEL	MG/KG	NA	250	2400	62.4	17.8	9.2	8.9	7.5	12.1	7.4 J	NR
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	4.4
SELENIUM	MG/KG	NA	63	3100	0.85 N	2.6 N	2.1 N	2.7 N	2 N	2.6 N	1.6 J	NR
SILVER	MG/KG	NA	110	4100	0.23 B	0.26 B	0.18 B	0.67	0.86	0.24 B	0.71	NR
THALLIUM	MG/KG	NA	2	2	1 U	0.89 U	0.98 U	0.98 U	0.91 U	1.2 U	1.1 UJ	NR
ZINC	MG/KG	NA	1500	1500	953	376	24.5	44.9	56.6	345	26.9 J	NR

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-2003-01 12/10/1999 0 - 1.3 ft.	SB-H10-2092-03 12/1/1999 0 - 0.5 ft.	SB-H10-262-02 12/14/1999 0 - 0.5 ft.	SB-H10-267-01 12/10/1999 0 - 1 ft.	SB-H10-269-03 12/8/1999 0 - 1 ft.	SB-H10-502-01 12/10/1999 0 - 1 ft.	SB-H10-503-02 12/14/1999 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.39 BN	3.3 N	1.1 N	2.1 N	2.2 N	2.5 N	7.6 UN
ARSENIC	MG/KG	NA	20	20	6.9 J	14.6	11.7	12.9 J	**93**	7.4 J	10.1
BERYLLIUM	MG/KG	NA	2	2	0.29 B	0.22 J	0.25	0.31 B	0.36	0.36	0.29 B
CADMIUM	MG/KG	NA	39	100	0.3 U	0.92	0.25	0.66 U	0.31 U	0.24 U	4.5 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.9	23.1	24.6	15.3	14.7	9.9	8.4
COPPER	MG/KG	NA	600	600	23.9	73.2	50.6	97.5	30.6	48.6	16
LEAD	MG/KG	NA	400	600	**12600**	**4510**	**1650**	**880**	190	**4210**	**9330**
MERCURY	MG/KG	NA	14	270	0.48	4.3	**52.9**	0.63	0.3	2.6	7.3
NICKEL	MG/KG	NA	250	2400	5	11	18.3	14.6	9.2	11.3	4.8 B
pH	PH	NA	NA	NA	NR	7.84	8.29	6.17	NR	7.85	5.75
SELENIUM	MG/KG	NA	63	3100	0.79	0.99	1.5	3.9	1.6	1.4	5.1 B
SILVER	MG/KG	NA	110	4100	0.3 U	0.31	0.15 B	0.66 U	0.12 B	0.28	4.5 U
THALLIUM	MG/KG	NA	2	2	1 U	0.87 U	0.42 B	2.2 U	1 U	0.52 B	15.1 U
ZINC	MG/KG	NA	1500	1500	113	165	109	70.2	73	114	33.4

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-68-03 12/9/1999 0 - 1 ft.	SB-H10-8225-03 12/9/1999 0 - 1 ft.	SB-H10-8264-01 7/13/2000 0 - 1 ft.	SB-H10-9000-01 12/8/1999 0 - 1.5 ft.	SB-H10-9001-03 6/16/2000 0 - 1 ft.	SB-H10-9002-01 12/3/1999 0 - 1 ft.	SB-H10-9002-02 12/3/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	2 UN	0.32 BN	0.676 J	3.5 N	11.6	0.27 BN	1.6 N
ARSENIC	MG/KG	NA	20	20	15	**54.4**	18.4	**53.5**	**641**	9.9 *	**28** *
BERYLLIUM	MG/KG	NA	2	2	0.4 B	0.48	0.622	0.24 B	0.275	0.44 J	0.35 J
CADMIUM	MG/KG	NA	39	100	1.2 U	0.24 U	2.01	0.27 U	0.493	0.4	0.24 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.9 J	12.9 J	20.5	19	41.8	14.5	17.4
COPPER	MG/KG	NA	600	600	48.4	75.8	270	151	52.9	38.6 *	54 *
LEAD	MG/KG	NA	400	600	**2790**	284	**728**	**464**	368	**1070**	**1100**
MERCURY	MG/KG	NA	14	270	0.51 J	0.18 J	0.325	1.2	3.22	0.39	0.61
NICKEL	MG/KG	NA	250	2400	11.1	14.1	19.6	13.2	14.7	12.5	16.2
pH	PH	NA	NA	NA	5.65	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	3.7 N	1.7 N	1.62	1.6	4.99	1.5 N	3.3 N
SILVER	MG/KG	NA	110	4100	1.2 U	0.24 U	0.306 U	0.23 B	0.244 J	0.17 B	0.38
THALLIUM	MG/KG	NA	2	2	4 U	0.82 U	1.02 U	0.9 U	0.681 J	1 U	1 U
ZINC	MG/KG	NA	1500	1500	87.4	177	848	95.3	43.2	219	59.5

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9101-02 6/23/2000 0 - 1 ft.	SB-H10-9101-03 12/14/1999 0 - 1 ft.	SB-H10-9103-01 12/1/1999 0 - 1 ft.	SB-H10-9103-03 12/1/1999 0 - 1 ft.	SB-H10-9103-04 12/1/1999 0 - 2 ft.	SB-H10-9104-02 12/1/1999 0 - 1 ft.	SB-H10-9308-02 12/3/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.577 J	0.21 BN	0.44 UN	0.58 N	0.28 BN	7.1 N	0.42 UN
ARSENIC	MG/KG	NA	20	20	16.4	14.5	8.4	18.7	14.4	**35.2**	8.1 *
BERYLLIUM	MG/KG	NA	2	2	0.413	0.3 B	0.31 J	0.26 J	0.06 J	0.22 J	0.87 J
CADMIUM	MG/KG	NA	39	100	0.284 U	0.3 U	0.38	0.54	0.21 B	1.4	1.9
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.1 J	12.3	23.1	22.5	6.8	59.6	16.4
COPPER	MG/KG	NA	600	600	23.5	22.2	36.7	40.8	9.6	93.2	19.5 *
LEAD	MG/KG	NA	400	600	128	288	121	**2630**	**2930**	**16800**	244
MERCURY	MG/KG	NA	14	270	0.291 J	0.17	0.07	1	0.2	0.83	0.03 B
NICKEL	MG/KG	NA	250	2400	6.94 J	12	13.4	11.4	3.6	17.9	10.2
pH	PH	NA	NA	NA	NR	NR	8.24	7.65	7.24	7.72	NR
SELENIUM	MG/KG	NA	63	3100	0.408 J	1.9	0.86	1.5	1.1	1.2	1.2 N
SILVER	MG/KG	NA	110	4100	0.284 U	0.12 B	0.26 U	0.25 B	0.29 U	0.74	0.11 B
THALLIUM	MG/KG	NA	2	2	0.948 U	1 U	0.88 U	0.96 U	0.96 U	1 U	0.85 U
ZINC	MG/KG	NA	1500	1500	55.1 J	22.8	44.4	84.2	18.4	224	1360

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H10-9308-03 6/15/2000 0 - 2 ft.	SB-H10-9320-03 12/3/1999 0 - 1 ft.	SB-H11-2-02 12/8/1999 0 - 1.3 ft.	SB-H11-2-03 6/15/2000 0 - 1.5 ft.	SB-H11-2295-01 6/15/2000 0 - 1 ft.	SB-H11-2295-02 12/3/1999 0 - 1 ft.	SB-H11-2319-02 6/23/2000 0 - 1.25 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.576 UJ	1.3 N	0.23 BN	0.387 J	0.334 J	0.42 BN	0.525 J
ARSENIC	MG/KG	NA	20	20	8.57	16.1 *	3.7	8.67	12.6	13.5 *	15.9
BERYLLIUM	MG/KG	NA	2	2	0.7	0.4 J	0.12 B	0.276	0.507	0.67 J	0.515
CADMIUM	MG/KG	NA	39	100	0.789	0.31 U	0.14 B	0.336 U	0.367 U	0.28 B	0.745
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.3	29.8	3.4	8.77	14	19.2	19.1
COPPER	MG/KG	NA	600	600	22.4	22 *	18.1	18.4	22.5	32.3 *	48
LEAD	MG/KG	NA	400	600	**621 J**	**2040**	162	193 J	114 J	226	**563**
MERCURY	MG/KG	NA	14	270	0.153	2	0.18	0.095	0.24	0.31	0.635
NICKEL	MG/KG	NA	250	2400	9.95	7.1	3.8	8.36	10.5	12	11.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.594	2.6 N	0.28 B	1.4	1.63	1.9 N	2.37
SILVER	MG/KG	NA	110	4100	0.288 U	0.34	0.25 U	0.336 U	0.367 U	0.2 B	0.366 U
THALLIUM	MG/KG	NA	2	2	1.13	1 U	0.85 U	1.33	1.34	1.1 U	1.06 J
ZINC	MG/KG	NA	1500	1500	727	138	87.4	33.9	320	259	292

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Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-2319-04 12/9/1999 0 - 1.3 ft.	SB-H11-3-02 12/10/1999 0 - 1.3 ft.	SB-H11-3-03 6/23/2000 0 - 1 ft.	SB-H11-4-03 12/10/1999 0 - 1 ft.	SB-H11-510-01 6/15/2000 0 - 1.25 ft.	SB-H11-510-03 12/3/1999 0 - 1 ft.	SB-H11-6-01 12/3/1999 0 - 1 ft.	SB-H11-696-01 7/13/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.23 BN	1.5 N	2.36 J	4.6 N	0.593 UJ	0.45 UN	1.5 N	0.495 UJ
ARSENIC	MG/KG	NA	20	20	12	17.3 J	**112**	**208 J**	11.1	10.2 *	**168 ***	13.1
BERYLLIUM	MG/KG	NA	2	2	0.64	0.34	0.271	0.26 B	0.615	0.62 J	0.41 J	0.231
CADMIUM	MG/KG	NA	39	100	0.28 U	0.3 U	0.369 U	0.35 U	0.296 U	0.27 U	0.34 U	0.154 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.5 J	10.7	13 J	8.4	20.6	16.3	10.1	8.93
COPPER	MG/KG	NA	600	600	30.5	25.9	45.7	46	20.6	17.7 *	28.1 *	32.6
LEAD	MG/KG	NA	400	600	307	399	179	**998**	57.8 J	40	109	107
MERCURY	MG/KG	NA	14	270	0.37 J	1.9	0.798 J	10.7	0.586	0.9	0.23	0.21
NICKEL	MG/KG	NA	250	2400	12.2	8.6	8.46 J	8.1	10.8	9.3	7.3	8.36
pH	PH	NA	NA	NA	NR	6.9	6.3	5.12	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.9 N	1.9	2.04	5.3	0.654	1.9 N	4 N	1.96
SILVER	MG/KG	NA	110	4100	0.28 U	0.1 B	0.369 U	0.11 B	0.296 U	0.11 B	0.2 B	0.248 U
THALLIUM	MG/KG	NA	2	2	1.1	0.58 B	1.23 U	0.73 B	1.37	0.91 U	1.1 U	0.826 U
ZINC	MG/KG	NA	1500	1500	297	66	36.5 J	18.8	52.4	48	31.8	45.6

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Table 5-7E

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Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-696-02 9/27/2000 0 - 0.5 ft.	SB-H11-697-01 12/8/1999 0 - 2 ft.	SB-H11-697-02 6/15/2000 0 - 1 ft.	SB-H11-761-03 12/7/1999 0 - 1 ft.	SB-H11-762-02 6/15/2000 0 - 1.5 ft.	SB-H11-762-03 12/7/1999 0 - 1.5 ft.	SB-H11-763-03 12/8/1999 0 - 1 ft.	SB-H11-8-01 12/15/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.848	1.1 N	0.71 J	6.3 J	0.551 J	0.15 J	0.69 N	0.55 U
ARSENIC	MG/KG	NA	20	20	15.9	18.7	9.27	**33.8**	5.15	4.3	8.8	**22.3**
BERYLLIUM	MG/KG	NA	2	2	0.521	0.37	0.627	0.39	0.188	0.2 B	0.3 B	0.32 B
CADMIUM	MG/KG	NA	39	100	0.564	0.36 U	0.244 U	0.35 U	0.261 U	0.25 U	0.66	0.35
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.8	14.8	18.5	22.5 J	12.9	8.4 J	8.5	6.7
COPPER	MG/KG	NA	600	600	119 J	45.3	26.1	57.7 J	11.5	13.3 J	52.2	30.4
LEAD	MG/KG	NA	400	600	151	345	362 J	**554 J**	95.6 J	105 J	289	95.8
MERCURY	MG/KG	NA	14	270	0.307	0.28	0.216	6.4	0.288	0.35	0.26	0.06
NICKEL	MG/KG	NA	250	2400	15.2	9.5	12.7	15.4 J	5.8	5.4 J	10	7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.83	2.2	1.46	5 *	0.758	1 *	0.71	0.29 U
SILVER	MG/KG	NA	110	4100	0.441	0.14 B	0.244 U	0.21 B	0.261 U	0.25 U	0.38 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.25 U	1.2 U	1.88	1.2 U	0.648 J	0.83 U	1.3 U	1.1 UN
ZINC	MG/KG	NA	1500	1500	92.8	57.5	93.8	351	25.9	26.5	280	57.3

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9-02 12/10/1999 0 - 1.5 ft.	SB-H11-9-04 6/15/2000 0 - 1 ft.	SB-H11-9307-01 6/15/2000 0 - 1 ft.	SB-H11-9307-02 12/9/1999 0 - 1 ft.	SB-H11-9310-03 12/3/1999 0 - 1 ft.	SB-H11-9312-02 12/10/1999 0 - 1 ft.	SB-H11-9312-04 12/10/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.46 BN	2.13 J	0.593 J	0.5 UN	0.48 UN	0.56 N	6.8 N
ARSENIC	MG/KG	NA	20	20	11.5 J	**317**	6.92	9.5	**42.6** *	11.6 J	**20.6 J**
BERYLLIUM	MG/KG	NA	2	2	0.72	0.98	0.672	0.67	0.25 J	0.31 B	0.23 B
CADMIUM	MG/KG	NA	39	100	0.32 U	0.106 J	0.338 U	0.3 U	0.29 U	0.33 U	0.61 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	103	23	27.9	17.8 J	18.5	34.1	15.5
COPPER	MG/KG	NA	600	600	31.8	58.9	16.4	19.1	15 *	52.8	65
LEAD	MG/KG	NA	400	600	112	243 J	23.1 J	25	190	265	**1350**
MERCURY	MG/KG	NA	14	270	0.31	0.653	0.097	0.29 J	0.46	0.27	0.53
NICKEL	MG/KG	NA	250	2400	51.2	20.5	16.3	10.3	3.2	11.3	9.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.2	2.62	0.89	1.2 N	2 N	2	2.9
SILVER	MG/KG	NA	110	4100	0.11 B	0.516	0.338 U	0.3 U	0.26 B	0.33 U	0.21 B
THALLIUM	MG/KG	NA	2	2	0.97 B	**8.88**	0.811 J	0.99 U	0.96 U	**2.5**	2 U
ZINC	MG/KG	NA	1500	1500	864	164	44.8	47.2	128	127	559

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H11-9313-02 12/9/1999 0 - 1 ft.	SB-H11-9313-04 12/9/1999 0 - 1 ft.	SB-H11-9335-05 12/8/1999 0 - 2 ft.	SB-H11-9335-06 12/8/1999 0 - 1 ft.	SB-H11-9336-01 12/3/1999 0 - 1 ft.	SB-H11-9336-02 12/3/1999 0 - 1 ft.	SB-H12-2-03 12/14/1999 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.59 UJ	0.38 BN	1.3 N	0.77 N	1.9 N	4 N	0.53 UN
ARSENIC	MG/KG	NA	20	20	4.1	**121**	**45.4**	**129**	**135 ***	**789 ***	9.8
BERYLLIUM	MG/KG	NA	2	2	0.08 B	0.15 B	0.64	1	0.56 J	0.58 J	0.57
CADMIUM	MG/KG	NA	39	100	0.36 U	0.31 U	0.31 B	0.05 B	0.3 B	0.22 B	0.48
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	4 J	7.7 J	16.3	29.6	12.7	18.8	16
COPPER	MG/KG	NA	600	600	15.4	17.9	**760**	48.6	36.2 *	36.9 *	27.1
LEAD	MG/KG	NA	400	600	43.7	65.1	320	317	92.2	176	165
MERCURY	MG/KG	NA	14	270	0.29 J	0.12 J	0.16	0.32	0.39	0.23	0.23
NICKEL	MG/KG	NA	250	2400	2.6	7.6	10.5	14.2	10	14.1	11.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.71 UJ	1.3 N	1.1	2.2	3.4 N	6.7 N	1.7
SILVER	MG/KG	NA	110	4100	0.36 U	0.31 U	0.91	0.1 B	0.37	0.6	0.32 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1 U	1.1 U	1.1 U	1.1 U	0.97 U	0.6 B
ZINC	MG/KG	NA	1500	1500	27.4	19.6	171	217	86.4	103	318

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-3-01 12/14/1999 0 - 1.5 ft.	SB-H12-3-02 6/15/2000 0 - 0.75 ft.	SB-H12-4-01 12/10/1999 0 - 1 ft.	SB-H12-5-03 12/14/1999 0 - 2 ft.	SB-H12-689-01 6/15/2000 0 - 1.25 ft.	SB-H12-689-03 12/15/1999 0 - 1 ft.	SB-H12-8563-01 6/23/2000 0 - 1 ft.	SB-H12-8563-03 12/15/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.69 UJ	0.819 U	1.1 N	0.53 UN	0.726 U	0.95	0.636 U	0.5 U
ARSENIC	MG/KG	NA	20	20	3.3	10.8	4.4 J	11.1	6.31	3	1.57	5.5
BERYLLIUM	MG/KG	NA	2	2	0.55	0.589	0.59	0.58	0.497	0.31 B	0.476	0.5
CADMIUM	MG/KG	NA	39	100	0.41 U	0.766	0.38 U	0.03 B	0.436	0.38	0.134 J	0.41
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.3	15.2	15.7	13.2	20.2	17.6	13.7	14
COPPER	MG/KG	NA	600	600	8.9	33.2	23.3	37.8	65.6	15.4	20.4	28.6
LEAD	MG/KG	NA	400	600	91.5	150	204	215	210	186	2.85	26
MERCURY	MG/KG	NA	14	270	0.15	0.408	0.28	0.56	0.238	0.3	0.081	0.04
NICKEL	MG/KG	NA	250	2400	5.6	9.94	6.2	8.3	11.5	10	9.53	8.8
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	7.43	7.45
SELENIUM	MG/KG	NA	63	3100	1.2	1.98	1.1	2.1	1	0.52 U	0.61	0.33 U
SILVER	MG/KG	NA	110	4100	0.41 U	0.41 U	0.38 U	0.32 U	0.363 U	0.34 U	0.318 U	0.3 U
THALLIUM	MG/KG	NA	2	2	1.4 U	1.37 U	0.9 B	1.1 U	1.21 U	1.1 UN	1.09	1 UN
ZINC	MG/KG	NA	1500	1500	76.2	267	89.4	118	212	106	9.26	48.2

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H12-8607-01 6/23/2000 0 - 2 ft.	SB-H12-8607-04 12/14/1999 0 - 1.5 ft.	SB-H13-408-02 12/14/1999 0 - 1.3 ft.	SB-H13-408-03 6/15/2000 0 - 1 ft.	SB-H13-9329-02 12/14/1999 0 - 1 ft.	SB-H8-585-01 12/2/1999 0 - 1 ft.	SB-H8-69E-01 12/1/1999 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.604 UJ	0.52 UN	0.22 BN	0.636 UJ	0.26 BN	1.9 J	0.53 UN
ARSENIC	MG/KG	NA	20	20	4.86	5.4	3.9	4.21	**20.9**	**152 J**	**31.8**
BERYLLIUM	MG/KG	NA	2	2	0.369	0.51	0.65	0.406	0.51	0.35	0.56 J
CADMIUM	MG/KG	NA	39	100	0.302 U	0.11 B	0.04 B	0.318 U	0.56	0.32 UJ	0.72
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.7 J	11.9	8.7	9.3	13.4	20.7 J	10.8
COPPER	MG/KG	NA	600	600	23.2	21.7	53.8	18	19.7	105 J	43
LEAD	MG/KG	NA	400	600	73.6	148	**2010**	42.1 J	85.6	**599 J**	165
MERCURY	MG/KG	NA	14	270	0.357 J	0.4	0.08	0.267	0.2	0.44 J	0.27
NICKEL	MG/KG	NA	250	2400	8.76 J	6.9	7.7	7.23	9.2	13.4 J	13.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.376 J	1.5	1.8	1.23	2.1	1.8 J	1.7
SILVER	MG/KG	NA	110	4100	0.302 U	0.31 U	0.13 B	0.318 U	0.3 U	0.17 B	0.12 B
THALLIUM	MG/KG	NA	2	2	1.01 UJ	1 U	1.1 U	1.06 U	1 U	1.1 UJ	1.1 U
ZINC	MG/KG	NA	1500	1500	191 J	485	57.1	51	84.3	182 J	121

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-8262-01 12/2/1999 0 - 1.25 ft.	SB-H8-9226-02 12/1/1999 0 - 1.75 ft.	SB-H9-10-05 12/2/1999 0 - 1 ft.	SB-H9-2261-04 12/2/1999 0 - 1.25 ft.	SB-H9-3-01 12/2/1999 0 - 1.25 ft.	SB-H9-3-03 6/15/2000 0 - 2 ft.	SB-H9-8155-01 6/15/2000 0 - 1 ft.	SB-H9-8155-02 12/1/1999 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.9 J	0.43 UN	0.59 UJ	1.3 J	0.23 J	1.76 J	0.357 J	0.51 UN
ARSENIC	MG/KG	NA	20	20	**38.9 J**	4.9	18.1 J	**26.8 J**	14.9 J	6.13	16.9	15.4
BERYLLIUM	MG/KG	NA	2	2	0.41 B	0.83 J	0.97	1.1	1	0.655	0.445	0.69 J
CADMIUM	MG/KG	NA	39	100	2.3 J	0.41	0.36 UJ	5.1 J	0.31 UJ	0.262 U	0.279 U	0.78
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	44.3 J	20.4	19.2 J	16.2 J	27 J	16.6	49.3	112
COPPER	MG/KG	NA	600	600	290 J	18.7	30.1 J	191 J	32.4 J	23.7 J	28.9	38.7
LEAD	MG/KG	NA	400	600	**496 J**	14.9	128 J	**521 J**	348 J	53.9 J	91.6 J	155
MERCURY	MG/KG	NA	14	270	2 *	0.08	0.21 J	0.21 J	0.14 J	0.133	5.22	13.8
NICKEL	MG/KG	NA	250	2400	38.5 J	12	10.5 J	16.5 J	16.9 J	11	11.5	13.7
pH	PH	NA	NA	NA	NR	NR	5.05	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.7 J	0.85	2.4 J	3.1 J	1.9 J	0.44	1.77	1.9
SILVER	MG/KG	NA	110	4100	1.1 B	0.26 U	0.36 U	0.21 B	0.31 U	0.262 U	0.903	2.5
THALLIUM	MG/KG	NA	2	2	3.9 UJ	0.86 U	1.2 UJ	1 UJ	0.65 J	1.46	0.846 J	1 U
ZINC	MG/KG	NA	1500	1500	598 J	65.7	108 J	**1620 J**	184 J	83.9 J	65.8	151

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-7E

Analytical Results
Maintenance Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H9-8238-01 12/1/1999 0 - 1 ft.	SB-H9-8238-02 12/1/1999 0 - 1 ft.	SB-H9-8238-03 12/1/1999 0 - 1 ft.	SB-I11-9117-02 12/15/1999 0 - 1 ft.	TP-G10-8204-06 8/3/2000 2 - 4 ft.	TP-H10-13-01 8/2/2000 0 - 2 ft.	TP-H10-13-03 8/2/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.41 UN	0.48 UN	0.37 UN	0.6 U	4.22	0.661 U	0.644 U
ARSENIC	MG/KG	NA	20	20	**20.1**	**22.6**	3.5	**57.1**	14.7	6.25	**30.8**
BERYLLIUM	MG/KG	NA	2	2	0.48 J	0.41 J	0.43 J	0.41	0.432	0.586	0.104
CADMIUM	MG/KG	NA	39	100	0.41	0.41	0.28	1	0.643	0.274 U	0.34
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	24.5	17.9	13.2	56.8	13	23.2	20.2
COPPER	MG/KG	NA	600	600	18.2	13.5	12.7	31.4	120	20.7	32.9
LEAD	MG/KG	NA	400	600	97.9	36.4	14.7	204	**2100**	286	284
MERCURY	MG/KG	NA	14	270	0.05	0.27	0.12	0.47	0.579	0.532 U	0.492 U
NICKEL	MG/KG	NA	250	2400	12.1	7.5	6	29.6	23.2 J	8.02	4.59
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.4	1.7	0.64	1.1 N	2.91	0.944	1.55
SILVER	MG/KG	NA	110	4100	0.25 U	0.29 U	0.22 U	0.17 B	0.328 J	0.33 U	0.282 U
THALLIUM	MG/KG	NA	2	2	0.5 B	0.96 U	0.74 U	1.2 UN	1.33	1.102 U	0.941 U
ZINC	MG/KG	NA	1500	1500	68.8	63.9	56.7	180	139	129	45.9

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8504-03 6/2/2000 0.5 - 1.0 ft.	SB-I11-8504-04 6/2/2000 0.5 - 1.0 ft.	SB-I11-8504-06 6/2/2000 0.5 - 1.0 ft.	SB-J10-6-01 5/25/2000 0.5 - 1.0 ft.	SB-J10-6-05 5/25/2000 0.5 - 1.0 ft.	SB-J11-1-01 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-02 5/18/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1320 UJ	1070 UJ	1080 UJ	1214 UJ	1059 UJ	1300 U	1000 U
ACETONITRILE	UG/KG	NA	NA	NA	658 U	534 U	539 U	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2630 U	2140 U	2160 U	2427 UJ	2119 UJ	2500 UJ	2000 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	622 UJ	530 UJ	630 UJ	510 UJ
BENZENE	UG/KG	1000	3000	13000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
BROMOFORM	UG/KG	1000	86000	370000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1320 U	1070 U	1080 U	1214 UJ	1059 UJ	1300 U	1000 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
CHLOROBENZENE	UG/KG	1000	37000	680000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
CHLOROETHANE	UG/KG	NA	NA	NA	1320 U	1070 U	1080 U	1214 UJ	1059 UJ	1300 U	1000 U
CHLOROFORM	UG/KG	1000	19000	28000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1320 U	1070 U	1080 U	1214 U	1059 U	860 J	1000 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	622 U	530 U	630 U	510 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	658 U	534 U	539 U	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	658 U	534 U	539 U	622 U	530 U	630 UJ	510 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	658 U	534 U	539 U	622 U	530 U	630 U	510 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	847 U	591 U	623 U	766 U	674 U	770 UJ	510 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	658 U	534 U	539 U	622 U	530 U	630 U	510 U

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8504-03 6/2/2000 0.5 - 1.0 ft.	SB-I11-8504-04 6/2/2000 0.5 - 1.0 ft.	SB-I11-8504-06 6/2/2000 0.5 - 1.0 ft.	SB-J10-6-01 5/25/2000 0.5 - 1.0 ft.	SB-J10-6-05 5/25/2000 0.5 - 1.0 ft.	SB-J11-1-01 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-02 5/18/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	658 U	534 U	539 U	622 U	530 U	180 J	140 J
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	658 U	534 U	539 U	622 U	530 U	630 UJ	510 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	500 J	534 U	539 U	622 U	530 U	630 U	510 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1320 U	1070 U	1080 U	1214 U	1059 U	1300 U	1000 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-03 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-04 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-05 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-06 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-07 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-08 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-09 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-10 8/1/2000 0.5 - 1.0 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1130 UJ	1210 UJ	1240 UJ	1300 UJ	1300 U	954 UJ	1090 UJ	1120 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2250 U	2430 U	2480 U	NR	2700 UJ	1910 U	2170 U	2230 U
ACRYLONITRILE	UG/KG	1000	1000	5000	5630 U	6070 U	6190 U	6510 U	660 UJ	4770 U	5430 U	5580 U
BENZENE	UG/KG	1000	3000	13000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
BROMOFORM	UG/KG	1000	86000	370000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	1300 U	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
CHLOROBENZENE	UG/KG	1000	37000	680000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
CHLOROETHANE	UG/KG	NA	NA	NA	1130 U	1210 U	1240 U	1300 U	1300 U	954 U	1090 U	1120 U
CHLOROFORM	UG/KG	1000	19000	28000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1130 UJ	1210 UJ	1240 UJ	1300 UJ	1300 U	954 UJ	1090 UJ	1120 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	563 U	607 U	619 U	651 U	660 UJ	477 U	543 U	558 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1210 UJ	1380 UJ	1450 UJ	1570 UJ	560 J	1320 UJ	1590 UJ	1770 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-03 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-04 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-05 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-06 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-07 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-08 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-09 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-10 8/1/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	563 U	607 U	619 U	651 U	660 UJ	477 U	543 U	558 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	563 U	607 U	619 U	651 U	660 U	477 U	543 U	558 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1130 U	1210 U	1240 U	1300 U	1300 U	954 U	1090 U	1120 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-11 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-12 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-13 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-14 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-15 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-16 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-17 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-18 8/1/2000 0.5 - 1.0 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1020 UJ	1320 UJ	1210 UJ	1400 UJ	954 UJ	977 UJ	1200 UJ	1160 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2030 U	2630 U	2430 UJ	2700 UJ	1910 U	1950 U	2300 UJ	2310 U
ACRYLONITRILE	UG/KG	1000	1000	5000	5080 U	6580 U	6070 UJ	690 UJ	4770 U	4880 U	580 UJ	5790 U
BENZENE	UG/KG	1000	3000	13000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
BROMOFORM	UG/KG	1000	86000	370000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	1400 UJ	NR	NR	1200 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
CHLOROBENZENE	UG/KG	1000	37000	680000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
CHLOROETHANE	UG/KG	NA	NA	NA	1020 U	1320 U	1210 UJ	1400 UJ	954 U	977 U	1200 UJ	1160 U
CHLOROFORM	UG/KG	1000	19000	28000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1020 UJ	1320 UJ	1210 UJ	1400 UJ	954 UJ	977 UJ	1200 UJ	1160 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1770 UJ	2190 UJ	1880 UJ	1100 UJ	1460 UJ	1460 UJ	1200 UJ	1720 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-11 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-12 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-13 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-14 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-15 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-16 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-17 5/18/2000 0.5 - 1.0 ft.	SB-J11-1-18 8/1/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	508 U	243 J	228 J	690 UJ	207 J	237 J	580 UJ	281 J
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	508 U	658 U	607 UJ	690 UJ	477 U	488 U	580 UJ	579 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1020 U	1320 U	1210 UJ	1400 UJ	954 U	977 U	1200 UJ	1160 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-19 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-20 8/1/2000 0.5 - 1.0 ft.	SB-J11-3-02 5/25/2000 0.5 - 1.0 ft.	SB-J11-6-03 5/25/2000 0.5 - 1.0 ft.	SB-J11-7-01 5/25/2000 0.5 - 1.0 ft.	SB-J11-8265A-03 5/25/2000 0.5 - 1.0 ft.	SB-J11-8265A-03 7/21/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	619 U	543 U	520 UJ	590 UJ	553 U	595 U	613 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	619 U	543 U	520 U	590 U	553 U	595 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1240 UJ	1090 UJ	1000 U	1200 U	1106 UJ	1191 UJ	1230 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2480 U	2170 U	2100 U	2400 U	2212 UJ	2381 UJ	2450 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	6190 U	5430 U	520 U	590 U	553 UJ	595 UJ	6130 UJ
BENZENE	UG/KG	1000	3000	13000	619 U	543 U	**3140**	**3380**	553 U	595 U	613 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
BROMOFORM	UG/KG	1000	86000	370000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	1106 UJ	1191 UJ	1230 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1240 U	1090 U	1000 U	1200 U	1106 UJ	1191 UJ	1230 UJ
CHLOROFORM	UG/KG	1000	19000	28000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1240 UJ	1090 UJ	1000 U	1200 U	1106 U	1191 U	235 J
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	619 U	543 U	520 U	590 U	553 U	595 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	613 UJ
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1840 UJ	1660 UJ	160 UJ	186 UJ	718 U	789 U	744 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-19 8/1/2000 0.5 - 1.0 ft.	SB-J11-1-20 8/1/2000 0.5 - 1.0 ft.	SB-J11-3-02 5/25/2000 0.5 - 1.0 ft.	SB-J11-6-03 5/25/2000 0.5 - 1.0 ft.	SB-J11-7-01 5/25/2000 0.5 - 1.0 ft.	SB-J11-8265A-03 5/25/2000 0.5 - 1.0 ft.	SB-J11-8265A-03 7/21/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	342 J	299 J	520 U	590 U	553 U	138 J	613 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	619 U	543 U	520 U	590 U	553 U	595 U	613 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1240 U	1090 U	1000 U	1200 U	1106 U	1191 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-8570-01 5/25/2000 0.5 - 1.0 ft.	SB-K10-6-02 5/18/2000 0.5 - 1.0 ft.	SB-K10-6-04 5/18/2000 0.5 - 1.0 ft.	SB-L10-725-01 5/18/2000 0.5 - 1.0 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0.5 - 1.0 ft.	SB-M10-4-02 5/25/2000 0.5 - 1.0 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	670 U	550 UJ	700 U	480 U	NR	601 J	625 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	670 UJ	550 UJ	700 U	480 U	400 U	601 U	625 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1300 U	1100 UJ	1400 U	960 U	NR	1202 U	1250 U
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2700 U	2200 UJ	2800 UJ	1900 UJ	NR	2404 U	2500 U
ACRYLONITRILE	UG/KG	1000	1000	5000	670 U	550 UJ	700 UJ	480 UJ	NR	601 U	625 U
BENZENE	UG/KG	1000	3000	13000	**3780**	550 UJ	700 U	480 U	NR	601 U	625 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
BROMOFORM	UG/KG	1000	86000	370000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1100 UJ	1400 U	960 U	NR	1202 UJ	1250 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
CHLOROETHANE	UG/KG	NA	NA	NA	1300 U	1100 UJ	1400 U	960 U	NR	1202 UJ	1250 UJ
CHLOROFORM	UG/KG	1000	19000	28000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1300 U	1100 UJ	1400 U	960 U	NR	1202 U	1250 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	670 U	550 UJ	700 UJ	480 UJ	NR	601 U	625 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	261 UJ	550 UJ	1500 UJ	1000 UJ	400 U	714 U	734 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-8570-01 5/25/2000 0.5 - 1.0 ft.	SB-K10-6-02 5/18/2000 0.5 - 1.0 ft.	SB-K10-6-04 5/18/2000 0.5 - 1.0 ft.	SB-L10-725-01 5/18/2000 0.5 - 1.0 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0.5 - 1.0 ft.	SB-M10-4-02 5/25/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	670 U	550 UJ	700 UJ	480 UJ	NR	601 U	625 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	670 U	550 UJ	700 U	480 U	NR	601 U	625 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1300 U	1100 UJ	1400 U	960 U	NR	1202 U	1250 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-724-01 5/18/2000 0.5 - 1.0 ft.	SB-M10-724-03 8/2/2000 0.5 - 1.0 ft.	SB-M9-2251-03 5/25/2000 0.5 - 1.0 ft.	SB-N9-B4-04 5/26/2000 0 - 2 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	540 U	538 U	584 U	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	540 U	538 U	584 U	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	540 U	538 U	584 U	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	540 U	538 U	584 U	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	540 U	538 U	584 U	410 U	360 U	390 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	540 U	538 U	584 U	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	540 U	538 U	584 U	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1077 U	1168 U	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	2200 UJ	2155 U	2336 U	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	540 UJ	5387 U	584 U	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	540 U	538 U	584 U	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	540 U	538 U	584 U	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	540 U	538 U	584 U	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	730 J	NR	1168 UJ	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	540 U	538 U	584 U	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	540 U	538 U	584 U	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1100 U	1077 U	1168 UJ	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	540 U	538 U	584 U	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 U	1077 U	1168 U	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	540 U	538 U	584 U	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	540 UJ	538 U	584 U	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	540 U	538 U	584 U	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	970 UJ	923 U	719 U	410 U	360 U	390 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	540 U	538 U	584 U	NR	NR	NR

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-724-01 5/18/2000 0.5 - 1.0 ft.	SB-M10-724-03 8/2/2000 0.5 - 1.0 ft.	SB-M9-2251-03 5/25/2000 0.5 - 1.0 ft.	SB-N9-B4-04 5/26/2000 0 - 2 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	210 J	538 U	584 U	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	540 UJ	538 U	584 U	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	540 U	538 U	584 U	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 U	1077 U	1168 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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+ = Value obtained from a 1:10 dilution
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	TP-I11-6-01 8/2/2000 7.5 - 8.0 ft.	TP-I11-8504-07 8/17/2000 3 - 3.5 ft.	TP-J11-11-01 8/2/2000 7.5 - 8.0 ft.	TP-J11-2188-09 8/3/2000 4 - 4.5 ft.	TP-J11-2188-10 8/3/2000 4 - 4.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	390 UJ	400 U	573 UJ	672 U	625 UJ	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	1146 UJ	1340 U	1250 UJ	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	2293 UJ	2690 U	2500 UJ	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	5733 UJ	672 U	6250 UJ	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	1250 UJ	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	1146 UJ	1340 U	1250 UJ	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	1146 UJ	1340 U	1250 UJ	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	573 UJ	672 U	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	625 UJ	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	390 UJ	400 U	1180 UJ	1070 U	2370 UJ	81.3 J	406 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	573 UJ	672 U	625 UJ	NR	NR

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	TP-I11-6-01 8/2/2000 7.5 - 8.0 ft.	TP-I11-8504-07 8/17/2000 3 - 3.5 ft.	TP-J11-11-01 8/2/2000 7.5 - 8.0 ft.	TP-J11-2188-09 8/3/2000 4 - 4.5 ft.	TP-J11-2188-10 8/3/2000 4 - 4.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	573 UJ	672 U	625 UJ	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	1146 UJ	1340 U	1250 UJ	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-J11-2188-11 8/3/2000 4.5 - 5.0 ft.	TP-J11-8570-05 8/3/2000 9.5 - 10.0 ft.	TP-K11-2225A-01 8/3/2000 7 - 7.5 ft.	TP-K11-2300-07 8/3/2000 7.5 - 8.0 ft.	TP-L10-1A-01 8/2/2000 5 - 5.5 ft.
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	553 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	553 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	553 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	553 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	553 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	553 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	553 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	1106 UJ
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	5530 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	5530 UJ
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	553 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	553 UJ
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	553 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	553 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	553 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	1106 UJ
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	553 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	1106 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	553 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	553 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	553 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	407 U	388 U	390 U	404 U	1090 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	553 UJ

Table 5-8A

Analytical Results
B-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-J11-2188-11 8/3/2000 4.5 - 5.0 ft.	TP-J11-8570-05 8/3/2000 9.5 - 10.0 ft.	TP-K11-2225A-01 8/3/2000 7 - 7.5 ft.	TP-K11-2300-07 8/3/2000 7.5 - 8.0 ft.	TP-L10-1A-01 8/2/2000 5 - 5.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	553 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	553 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	553 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	1106 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 5/25/2000 0 - 1 ft.	SB-I11-7-01 8/2/2000 0 - 1 ft.	SB-I11-7-03 5/25/2000 0 - 2 ft.	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8260-03 8/2/2000 0 - 1.25 ft.	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I11-8504-04 6/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	4330 U	381 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	820 UJ	825 U	910 U	8900 U	850 U	8660 U	762 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**100 J**	412 U	**38 J**	4400 U	425 U	4330 U	381 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 UJ	NR	460 U	4400 U	NR	4330 U	381 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	820 UJ	825 U	910 U	8900 U	850 UJ	8660 U	762 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	820 UJ	825 U	910 U	8900 U	850 U	8660 U	762 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
4-NITROPHENOL	UG/KG	NA	NA	NA	820 UJ	NR	910 U	8900 U	NR	8660 U	762 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 UJ	412 U	22 J	4400 U	425 U	268 J	60.6 J
ANTHRACENE	UG/KG	100000	10000000	10000000	410 UJ	412 U	45 J	4400 U	425 U	4330 U	56.4 J
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	412 UJ	460 UJ	4400 UJ	425 UJ	4330 U	381 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 UJ	180 J	140 J	530 J	241 J	4330 U	175 J
BENZO(a)PYRENE	UG/KG	100000	660	660	27 J	185 J	130 J	550 J	279 J	4330 U	185 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 UJ	313 J	200 J	**900 J**	532 J	4330 U	319 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 UJ	99 J	460 U	4400 U	193 J	2430 J	166 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 UJ	94 J	460 U	4400 U	128 J	4330 U	137 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	23000 J	412 U	460 U	16000	425 UJ	4330 U	381 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 UJ	412 U	460 U	4400 U	425 UJ	4330 U	381 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 UJ	412 U	460 U	4400 U	425 UJ	4330 U	381 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 UJ	412 U	460 U	4400 U	425 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	670 J	42 J	36 J	4800	80 J	4330 U	381 U
CHRYSENE	UG/KG	500000	9000	40000	410 UJ	223 J	230 J	640 J	318 J	4330 U	310 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	500 UJ	443	120 JB	21000 B	192 J	7870	419
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	87 J	412 UJ	460 U	4400 U	425 UJ	4330 U	381 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 5/25/2000 0 - 1 ft.	SB-I11-7-01 8/2/2000 0 - 1 ft.	SB-I11-7-03 5/25/2000 0 - 2 ft.	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8260-03 8/2/2000 0 - 1.25 ft.	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I11-8504-04 6/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 UJ	412 UJ	460 U	4400 U	425 UJ	**1630 J**	89.6 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	412 U	460 U	4400 U	425 U	424 J	381 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 UJ	295 J	320 J	1100 J	463	4330 U	476
FLUORENE	UG/KG	100000	2300000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 UJ	NR	460 U	4400 U	NR	4330 U	381 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 UJ	87 J	460 U	4400 U	191 J	**1790 J**	128 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	412 U	460 U	4400 U	425 UJ	4330 U	381 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 UJ	412 UJ	460 U	4400 U	425 UJ	4330 U	381 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 UJ	54 J	460 U	5200	194 J	4330 U	381 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 UJ	412 U	460 U	4400 U	425 U	4330 U	381 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	820 UJ	825 U	910 U	8900 U	850 U	8660 U	762 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 UJ	240 J	290 J	410 J	229 J	4330 U	226 J
PHENOL	UG/KG	50000	10000000	10000000	410 UJ	412 U	460 U	4400 U	425 UJ	4330 U	381 U
PYRENE	UG/KG	100000	1700000	10000000	410 UJ	384 J	300 J	4400 U	646 J	4330 U	428

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8504-06 6/2/2000 0 - 0.5 ft.	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-I12-8101-01 5/25/2000 0 - 1 ft.	SB-I12-8101-02 8/2/2000 0 - 1 ft.	SB-J10-2187-01 9/12/2000 0 - 1 ft.	SB-J10-2187-05 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	436 U	9000 U	440 U	402 U	372 UJ	400 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	436 U	9000 U	440 U	402 U	372 UJ	400 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	436 U	NR	NR	NR	372 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	872 U	18000 U	880 U	805 U	744 U	790 U	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	436 U	**67700 D**	**110 J**	402 U	372 U	400 U	**750 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	436 U	9000 U	440 U	402 U	372 UJ	400 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	436 U	9000 U	440 U	NR	372 U	400 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	872 U	18000 U	880 U	805 U	744 U	790 UJ	840 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	872 U	18000 U	880 U	805 U	744 U	790 U	840 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	872 U	18000 U	880 U	NR	744 UJ	790 U	840 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	436 U	9000 U	440 U	402 U	372 UJ	400 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	22 J
ANTHRACENE	UG/KG	100000	10000000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	45 J
BENZIDINE	UG/KG	NA	NA	NA	436 U	9000 UJ	440 U	402 UJ	372 U	400 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	62.8 J	**940 JD**	440 U	402 U	372 U	400 U	140 J
BENZO(a)PYRENE	UG/KG	100000	660	660	436 U	9000 U	18 J	402 U	372 U	400 U	140 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	89 J	9000 U	440 U	402 U	372 U	400 U	340 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	436 U	9000 U	440 U	402 U	372 U	400 U	130 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 UJ	372 U	400 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	436 U	9000 U	440 U	402 UJ	372 U	400 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	9000 U	440 U	402 U	NR	400 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	436 U	9000 U	440 U	402 U	385	21 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	88.6 J	860 JD	440 U	402 U	372 U	400 U	150 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	146 J	9000 U	480 U	912	6670 D	440	42 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8504-06 6/2/2000 0 - 0.5 ft.	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-I12-8101-01 5/25/2000 0 - 1 ft.	SB-I12-8101-02 8/2/2000 0 - 1 ft.	SB-J10-2187-01 9/12/2000 0 - 1 ft.	SB-J10-2187-05 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	120 J	9000 U	440 U	402 U	372 U	400 U	340 J
FLUORENE	UG/KG	100000	2300000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	436 U	9000 U	440 U	NR	372 U	400 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	436 U	9000 U	440 U	402 UJ	372 U	400 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	436 U	9000 U	440 U	402 U	372 UJ	400 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	436 U	9000 U	440 U	402 UJ	372 UJ	400 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	436 U	9000 U	440 U	402 UJ	372 U	400 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	436 U	3100 JD	440 U	244 J	148 J	400 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	436 U	9000 U	440 U	402 U	372 U	400 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	872 U	18000 U	880 U	805 U	744 U	790 U	840 U
PHENANTHRENE	UG/KG	NA	NA	NA	86.8 J	9000 U	34 J	402 U	372 U	400 U	230 J
PHENOL	UG/KG	50000	10000000	10000000	436 U	9000 U	440 U	402 UJ	372 U	400 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	436 U	9000 U	440 U	402 U	372 UJ	400 U	270 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-6-01 5/25/2000 0 - 1.25 ft.	SB-J10-6-05 5/25/2000 0 - 2 ft.	SB-J10-609-01 8/2/2000 0 - 1.5 ft.	SB-J10-609-02 5/18/2000 0 - 2 ft.	SB-J10-8280-01 5/25/2000 0 - 1 ft.	SB-J11-1-01 5/18/2000 0 - 1 ft.	SB-J11-1-02 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 UJ	400 U	390 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	820 U	925 U	830 U	800 U	780 U	760 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	410 U	462 U	420 U	400 U	**410**	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	410 U	NR	420 U	400 U	390 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 UJ	820 UJ	925 U	830 U	800 U	780 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	820 U	925 U	830 U	800 U	780 U	760 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 UJ	400 U	390 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 U	400 U	390 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	820 U	NR	830 U	800 U	780 U	24 J
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 U	24 J	21 J	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	410 U	462 U	420 U	33 J	390 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 UJ	400 U	390 U	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	120 J	410 U	133 J	100 J	150 J	100 J	50 J
BENZO(a)PYRENE	UG/KG	100000	660	660	100 J	410 U	131 J	87 J	150 J	100 J	41 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	140 J	410 U	191 J	130 J	280 J	170 J	70 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	410 U	102 J	420 UJ	82 J	390 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	410 U	81 J	420 U	400 U	390 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	462 U	420 UJ	400 U	390 U	120 J
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 U	400 U	390 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	21 J	462 U	420 UJ	28 J	44 J	370 J
CHRYSENE	UG/KG	500000	9000	40000	100 J	410 U	174 J	120 J	210 J	120 J	78 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	410 U	147 J	55 U	62 J	1800	5100
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	462 U	420 U	400 U	390 UJ	380 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-6-01 5/25/2000 0 - 1.25 ft.	SB-J10-6-05 5/25/2000 0 - 2 ft.	SB-J10-609-01 8/2/2000 0 - 1.5 ft.	SB-J10-609-02 5/18/2000 0 - 2 ft.	SB-J10-8280-01 5/25/2000 0 - 1 ft.	SB-J11-1-01 5/18/2000 0 - 1 ft.	SB-J11-1-02 5/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	410 U	462 U	420 UJ	400 U	390 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	190 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	240 J	410 U	370 J	220 J	420	210 J	90 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	410 U	NR	420 U	400 U	390 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	410 U	462 U	420 U	400 U	390 UJ	380 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	410 U	88 J	420 UJ	83 J	390 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	410 U	462 U	420 U	400 U	390 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	410 U	462 U	420 U	400 U	390 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	410 U	462 U	420 UJ	400 U	650	2800
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	820 U	925 U	830 U	800 U	780 U	760 U
PHENANTHRENE	UG/KG	NA	NA	NA	56 J	410 U	201 J	180 J	180 J	130 J	79 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	410 U	462 U	420 U	400 U	390 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	160 J	410 U	335 J	320 J	350 J	230 J	100 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-03 8/1/2000 0 - 1.5 ft.	SB-J11-1-04 8/1/2000 0 - 1.5 ft.	SB-J11-1-05 8/1/2000 0 - 1 ft.	SB-J11-1-06 8/1/2000 0 - 1.5 ft.	SB-J11-1-07 5/18/2000 0 - 1.25 ft.	SB-J11-1-08 8/1/2000 0 - 1 ft.	SB-J11-1-09 8/1/2000 0 - 1 ft.	SB-J11-1-10 8/1/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	433 UJ	494 UJ	408 UJ	434 UJ	430 UJ	423 UJ	412 UJ	422 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	866 U	989 U	816 U	867 U	850 UJ	847 UJ	824 U	844 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	433 UJ	494 UJ	408 UJ	434 UJ	430 UJ	423 UJ	412 UJ	422 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	430 UJ	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	866 U	989 U	816 U	867 U	850 UJ	847 UJ	824 U	844 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	866 U	989 U	816 U	867 U	850 UJ	847 UJ	824 U	844 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	850 UJ	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	433 UJ	494 UJ	408 UJ	434 UJ	430 UJ	423 UJ	412 UJ	422 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
ANTHRACENE	UG/KG	100000	10000000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
BENZIDINE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	433 U	494 U	53.1 J	80.2 J	89 J	423 UJ	412 U	422 U
BENZO(a)PYRENE	UG/KG	100000	660	660	433 U	51.9 J	56.3 J	57.7 J	69 J	423 UJ	412 U	422 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	433 U	494 U	111 J	110 J	80 J	423 UJ	412 U	422 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	433 U	35.1 J	53.9 J	36.9 J	54 J	30.1 J	412 U	21.5 J
CHRYSENE	UG/KG	500000	9000	40000	433 U	80.6 J	408 U	76.8 J	75 J	423 UJ	412 U	422 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	433 U	331 J	857	331 J	230 J	623 J	412 U	338 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-03 8/1/2000 0 - 1.5 ft.	SB-J11-1-04 8/1/2000 0 - 1.5 ft.	SB-J11-1-05 8/1/2000 0 - 1 ft.	SB-J11-1-06 8/1/2000 0 - 1.5 ft.	SB-J11-1-07 5/18/2000 0 - 1.25 ft.	SB-J11-1-08 8/1/2000 0 - 1 ft.	SB-J11-1-09 8/1/2000 0 - 1 ft.	SB-J11-1-10 8/1/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	433 U	144 J	408 U	147 J	140 J	423 UJ	412 U	422 U
FLUORENE	UG/KG	100000	2300000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR	NR	430 UJ	NR	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
ISOPHORONE	UG/KG	50000	1100000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	433 UJ	494 UJ	408 UJ	434 UJ	430 UJ	423 UJ	412 UJ	422 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	126 J	52.9 J	152 J	35.6 J	79 J	141 J	30.5 J	422 U
NAPHTHALENE	UG/KG	100000	230000	4200000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	866 U	989 U	816 U	867 U	850 UJ	847 UJ	824 U	844 U
PHENANTHRENE	UG/KG	NA	NA	NA	433 U	80.1 J	408 U	83.3 J	71 J	423 UJ	412 U	422 U
PHENOL	UG/KG	50000	10000000	10000000	433 U	494 U	408 U	434 U	430 UJ	423 UJ	412 U	422 U
PYRENE	UG/KG	100000	1700000	10000000	433 U	104 J	408 U	127 J	160 J	423 UJ	412 U	422 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-11 8/1/2000 0 - 1.5 ft.	SB-J11-1-12 8/1/2000 0 - 2 ft.	SB-J11-1-13 8/1/2000 0 - 1.5 ft.	SB-J11-1-14 5/18/2000 0 - 1.5 ft.	SB-J11-1-15 8/1/2000 0 - 1 ft.	SB-J11-1-16 8/1/2000 0 - 1 ft.	SB-J11-1-17 5/18/2000 0 - 1 ft.	SB-J11-1-18 8/1/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	429 UJ	421 UJ	377 UJ	520 U	450 UJ	453 UJ	390 U	403 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	858 UJ	843 UJ	753 U	1000 U	900 U	906 U	780 U	805 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	429 UJ	421 UJ	377 U	520 U	450 U	453 U	**83 J**	403 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	429 UJ	421 UJ	377 UJ	520 U	450 UJ	453 UJ	390 U	403 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	520 U	NR	NR	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	858 UJ	843 UJ	753 U	1000 U	900 U	906 U	780 U	805 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	858 UJ	843 UJ	753 U	1000 U	900 U	906 U	780 U	805 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	1000 U	NR	NR	780 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	429 UJ	421 UJ	377 UJ	520 U	450 UJ	453 UJ	390 U	403 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
ANTHRACENE	UG/KG	100000	10000000	10000000	429 UJ	421 UJ	377 U	33 J	450 U	453 U	390 U	403 U
BENZIDINE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 UJ	450 U	453 U	390 UJ	403 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	429 UJ	421 UJ	377 U	95 J	66.6 J	453 U	140 J	403 U
BENZO(a)PYRENE	UG/KG	100000	660	660	429 UJ	421 UJ	377 U	79 J	68.4 J	453 U	140 J	403 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	429 UJ	421 UJ	377 U	99 J	107 J	453 U	200 J	403 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	85 J	403 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	429 UJ	421 UJ	32 J	50 J	53.5 J	29 J	62 J	27.8 J
CHRYSENE	UG/KG	500000	9000	40000	429 UJ	421 UJ	377 U	84 J	80.5 J	453 U	150 J	403 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	118 J	124 J	418	720	765	332 J	1900	176 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-11 8/1/2000 0 - 1.5 ft.	SB-J11-1-12 8/1/2000 0 - 2 ft.	SB-J11-1-13 8/1/2000 0 - 1.5 ft.	SB-J11-1-14 5/18/2000 0 - 1.5 ft.	SB-J11-1-15 8/1/2000 0 - 1 ft.	SB-J11-1-16 8/1/2000 0 - 1 ft.	SB-J11-1-17 5/18/2000 0 - 1 ft.	SB-J11-1-18 8/1/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	429 UJ	421 UJ	377 U	150 J	144 J	453 U	180 J	403 U
FLUORENE	UG/KG	100000	2300000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR	520 U	NR	NR	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	429 UJ	421 UJ	377 U	520 UJ	450 U	453 U	390 UJ	403 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	78 J	403 U
ISOPHORONE	UG/KG	50000	1100000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	429 UJ	421 UJ	377 UJ	520 U	450 UJ	453 UJ	390 U	403 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	429 UJ	421 UJ	25.6 J	520 U	59.4 J	453 U	1100	273 J
NAPHTHALENE	UG/KG	100000	230000	4200000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	858 UJ	843 UJ	753 U	1000 U	900 U	906 U	780 U	805 U
PHENANTHRENE	UG/KG	NA	NA	NA	429 UJ	421 UJ	377 U	110 J	81.9 J	453 U	67 J	403 U
PHENOL	UG/KG	50000	10000000	10000000	429 UJ	421 UJ	377 U	520 U	450 U	453 U	390 U	403 U
PYRENE	UG/KG	100000	1700000	10000000	429 UJ	421 UJ	377 U	170 J	155 J	453 U	180 J	403 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-19 8/1/2000 0 - 2 ft.	SB-J11-1-20 8/1/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-14-01 8/1/2000 0 - 1 ft.	SB-J11-14-03 5/18/2000 0 - 1.25 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-06 5/23/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	378 UJ	428 UJ	380 UJ	393 U	3700 U	4100 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	393 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	756 U	857 U	760 UJ	786 U	7500 U	8200 U	750 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	378 U	428 U	**52500 J**	393 U	3700 U	**930 J**	**200 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	378 UJ	428 UJ	380 UJ	393 U	3700 U	4100 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	380 UJ	393 U	3700 U	4100 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	756 U	857 U	760 UJ	786 U	7500 U	8200 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	756 U	857 U	760 UJ	786 U	7500 U	8200 U	750 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	428 U	380 UJ	393 U	3700 U	4100 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	760 UJ	786 UJ	7500 U	8200 UJ	750 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	378 UJ	202 J	19 J	393 U	3700 U	4100 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	378 U	428 U	30 J	393 U	3700 U	4100 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	378 U	563	41 J	393 U	3700 U	4100 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	42.4 J	**1150**	120 J	393 UJ	3700 U	4100 U	46 J
BENZO(a)PYRENE	UG/KG	100000	660	660	378 U	**952**	160 J	393 UJ	3700 U	4100 U	64 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	378 U	**1750**	380 J	393 UJ	3700 U	4100 U	170 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	378 U	455	200 J	393 UJ	3700 UJ	4100 U	370 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	378 U	644	170 J	393 UJ	3700 U	4100 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	378 U	428 U	380 UJ	NR	3700 U	4100 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	378 U	138 J	47 J	69.6 J	760 J	230 J	240 J
CHRYSENE	UG/KG	500000	9000	40000	378 U	1100	200 J	393 U	3700 U	4100 U	90 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	156 J	3250	180 UJ	4700	8700 B	11000	3200
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	378 U	428 U	380 UJ	393 UJ	3700 U	4100 U	370 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-19 8/1/2000 0 - 2 ft.	SB-J11-1-20 8/1/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-14-01 8/1/2000 0 - 1 ft.	SB-J11-14-03 5/18/2000 0 - 1.25 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-06 5/23/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	378 U	168 J	380 UJ	393 UJ	3700 U	4100 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	378 U	67.7 J	380 UJ	393 U	3700 U	4100 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	378 U	2290	280 J	393 U	3700 U	4100 U	85 J
FLUORENE	UG/KG	100000	2300000	10000000	378 U	250 J	380 UJ	393 U	3700 U	4100 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	380 UJ	393 UJ	3700 U	4100 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	378 U	446	180 J	393 UJ	3700 U	4100 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	378 UJ	428 UJ	380 UJ	393 U	3700 U	4100 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	378 U	428 U	380 UJ	393 U	3700 U	4100 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	56.7 J	188 J	1500 J	106 J	1100 J	9200	340 J
NAPHTHALENE	UG/KG	100000	230000	4200000	378 U	428 U	28 J	393 U	3700 U	4100 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	756 U	857 U	760 UJ	786 U	7500 U	8200 U	750 U
PHENANTHRENE	UG/KG	NA	NA	NA	378 U	2050	170 J	393 U	3700 U	4100 U	24 J
PHENOL	UG/KG	50000	10000000	10000000	378 U	428 UJ	380 UJ	393 U	3700 U	4100 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	378 U	2220	380 J	393 U	3700 U	4100 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.	SB-J11-2296-02 9/12/2000 0 - 1 ft.	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.	SB-J11-3-02 5/25/2000 0 - 1.5 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	360 UJ	410 U	3700 UJ	420 U	370 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	360 U	410 U	3700 U	NR	370 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	360 U	410 U	3700 U	NR	370 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	360 UJ	410 U	3700 U	420 U	370 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	360 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	840 U	721 U	810 U	7500 UJ	420 U	740 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**452 J**	360 U	**49 J**	**2500 J**	420 U	**670 J**	**183 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	360 UJ	410 U	3700 U	420 U	370 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 U	NR	370 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	840 U	721 U	810 UJ	7500 UJ	NR	740 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	840 U	721 U	810 U	7500 UJ	840 U	740 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	360 U	410 UJ	3700 U	420 U	370 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	840 U	721 UJ	810 U	7500 UJ	NR	740 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	360 UJ	410 U	3700 UJ	420 U	370 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	420 UJ	360 U	410 U	3700 U	420 U	370 UJ	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	41.8 J	83 J	3700 U	420 U	320 J	63 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	37.9 J	87 J	3700 U	420 U	410	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	360 U	180 J	3700 UJ	420 U	**1300**	140 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 UJ	420 U	500	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	360 U	70 J	3700 UJ	420 U	130 J	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	NR	410 U	3700 U	420 U	370 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	330 J	360 U	83 J	440 J	19.97 J	37 J	61 J
CHRYSENE	UG/KG	500000	9000	40000	420 U	60.6 J	130 J	3700 UJ	37.9 J	820	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4500	225 J	2900	**110000 J**	420 U	48 J	550
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	270 J	360 U	410 U	3700 U	420 U	370 U	390 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.	SB-J11-2296-02 9/12/2000 0 - 1 ft.	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.	SB-J11-3-02 5/25/2000 0 - 1.5 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	360 U	410 U	3700 UJ	420 U	540	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	360 U	180 J	330 J	420 U	370 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	105 J	230 J	3700 UJ	420 U	370 U	130 J
FLUORENE	UG/KG	100000	2300000	10000000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	360 U	410 U	3700 UJ	420 U	370 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	360 UJ	410 U	3700 UJ	420 U	370 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	360 U	410 U	3700 UJ	420 U	350 J	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	360 UJ	410 U	3700 U	420 UJ	370 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	4700	28.8 J	210 J	9700 J	420 U	370 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	360 U	410 U	3700 U	NR	370 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	840 U	721 U	810 U	7500 UJ	840 U	740 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	360 U	110 J	3700 UJ	36.27 J	32 J	67 J
PHENOL	UG/KG	50000	10000000	10000000	420 U	360 U	410 U	3700 U	420 U	370 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	109 J	200 J	3700 UJ	420 U	120 J	130 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-6-03 5/25/2000 0 - 1 ft.	SB-J11-7-01 5/25/2000 0 - 1 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.	SB-J11-8265A-03 5/18/2000 0 - 1 ft.	SB-J11-8265A-03 5/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	380 U	380 U	4600 U	390 U	595 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	NR	380 U	4600 U	390 U	595 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	380 UJ	380 U	4600 U	390 U	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	NR	380 U	4600 U	390 U	595 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	380 U	380 U	4600 U	390 U	595 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	380 U	380 U	4600 U	390 U	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	380 U	380 U	4600 U	390 U	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	380 U	770 U	9300 U	780 U	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**711 J**	380 U	380 U	4600 U	390 U	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	380 U	380 U	4600 U	390 U	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	NR	380 U	4600 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 U	NR	770 UJ	9300 U	780 U	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	750 U	760 U	770 U	9300 U	780 U	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	750 UJ	NR	770 U	9300 UJ	780 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	54.68 J	380 U	4600 U	390 U	NR
BENZIDINE	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	197 J	380 U	430 J	31 J	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	166 J	380 U	4600 U	390 U	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	275 J	380 U	4600 U	390 U	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 UJ	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	380 U	380 U	4600 U	390 U	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	380 U	380 U	4600 U	390 U	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	380 U	380 U	4600 U	390 U	NR
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	37 J	39.34 J	20 J	4600 U	390 U	NR
CHRYSENE	UG/KG	500000	9000	40000	99 J	186 J	54 J	440 J	42 J	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	242 J	380 U	570 J	120 U	NR
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	380 U	380 U	4600 U	390 U	NR

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-6-03 5/25/2000 0 - 1 ft.	SB-J11-7-01 5/25/2000 0 - 1 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.	SB-J11-8265A-03 5/18/2000 0 - 1 ft.	SB-J11-8265A-03 5/25/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	380 U	380 U	4600 U	390 U	NR
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	450	380 U	4600 U	88 J	NR
FLUORENE	UG/KG	100000	2300000	10000000	370 U	28.72 J	380 U	4600 U	390 U	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	380 U	380 U	4600 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	380 U	380 U	4600 U	390 U	595 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	380 UJ	380 U	4600 U	390 U	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	380 U	380 U	4600 U	390 U	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	380 U	380 U	4600 U	390 U	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	380 UJ	380 U	4600 U	390 U	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	380 UJ	380 U	4600 U	390 U	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	380 UJ	380 U	4600 U	390 U	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	380 U	380 U	4600 U	390 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	NR	380 U	4600 U	390 U	595 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	750 U	760 U	770 U	9300 U	780 U	NR
PHENANTHRENE	UG/KG	NA	NA	NA	88 J	264 J	66 J	4600 U	66 J	NR
PHENOL	UG/KG	50000	10000000	10000000	370 U	380 U	380 U	4600 U	390 U	NR
PYRENE	UG/KG	100000	1700000	10000000	370 U	395	380 U	4600 U	86 J	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-8265A-03 7/21/2000 0 - 1 ft.	SB-J11-8570-01 5/25/2000 0 - 1 ft.	SB-J11-B20-02 5/18/2000 0 - 1.25 ft.	SB-J11-B25-01 9/12/2000 0 - 1 ft.	SB-J11-B25-02 5/25/2000 0 - 1.5 ft.	SB-J11-B83-01 5/18/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	202 UJ	380 U	400 U	359 UJ	370 U	15000 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	613 UJ	NR	400 U	359 U	370 U	15000 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	613 UJ	NR	400 U	359 U	370 U	15000 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	613 UJ	380 U	400 U	359 UJ	370 U	15000 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	359 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	380 U	400 U	359 U	370 U	15000 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	380 U	400 U	359 U	370 U	15000 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	380 U	790 U	719 U	730 U	31000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	380 U	400 U	**78.4 J**	**100 J**	15000 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	380 U	400 U	359 UJ	370 U	15000 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	400 U	359 U	370 U	15000 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	NR	790 U	719 U	730 U	31000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	760 U	790 U	719 U	730 U	31000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	790 U	719 UJ	730 U	31000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	380 U	400 U	359 UJ	370 U	15000 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	64 J	15000 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	380 U	400 U	359 U	38 J	15000 U
BENZIDINE	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	380 U	40 J	252 J	250 J	15000 U
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	380 U	31 J	270 J	320 J	15000 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	380 U	400 U	415	530	15000 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	380 U	400 UJ	184 J	210 J	15000 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	380 U	400 U	127 J	210 J	15000 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	380 U	400 U	359 U	370 U	15000 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	380 U	400 U	359 U	370 U	15000 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	380 U	400 U	359 U	370 U	15000 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	380 U	400 U	NR	370 U	15000 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	79.01 J	400 U	83.7 J	32 J	15000 UJ
CHRYSENE	UG/KG	500000	9000	40000	NR	380 U	38 J	293 J	380	15000 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	2430	400 U	180 J	97 J	15000 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	380 U	400 U	359 U	370 U	15000 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-8265A-03 7/21/2000 0 - 1 ft.	SB-J11-8570-01 5/25/2000 0 - 1 ft.	SB-J11-B20-02 5/18/2000 0 - 1.25 ft.	SB-J11-B25-01 9/12/2000 0 - 1 ft.	SB-J11-B25-02 5/25/2000 0 - 1.5 ft.	SB-J11-B83-01 5/18/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	380 U	400 U	359 U	370 U	15000 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	380 U	400 U	467	660	15000 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	380 U	400 U	359 U	370 U	15000 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	613 UJ	380 U	400 U	359 U	370 U	15000 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	380 UJ	400 U	359 UJ	370 U	15000 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	380 U	400 U	359 U	370 U	15000 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	380 U	400 U	173 J	190 J	15000 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	380 UJ	400 U	359 UJ	370 U	15000 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	380 UJ	400 U	359 U	370 U	15000 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	424	400 U	88.8 J	370 U	15000 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	500 UJ	NR	400 U	359 U	370 U	15000 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	760 U	790 U	719 U	730 U	31000 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	25.4 J	45 J	137 J	170 J	15000 U
PHENOL	UG/KG	50000	10000000	10000000	NR	380 U	400 U	359 U	370 U	15000 U
PYRENE	UG/KG	100000	1700000	10000000	NR	380 U	400 U	576 J	520	15000 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-B83-03 8/1/2000 0 - 0.75 ft.	SB-J12-2-02 8/2/2000 0 - 1 ft.	SB-J12-2-03 5/23/2000 0 - 1.5 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-1-01 5/16/2000 0 - 1.25 ft.	SB-K10-1-02 7/25/2000 0 - 2 ft.	SB-K10-2-02 5/25/2000 0 - 1.5 ft.	SB-K10-2-05 5/25/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	443 UJ	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	443 U	NR	NR	NR	NR	3580 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	885 U	776 U	980 U	790 U	740 U	7160 U	870 UJ	870 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	443 U	388 U	490 U	**33 J**	370 UJ	**781 J**	430 UJ	**790 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	443 U	NR	490 U	400 U	370 U	3580 U	430 UJ	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	885 U	776 U	980 U	790 U	740 U	7160 U	870 UJ	870 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	885 U	776 U	980 U	790 U	740 UJ	7160 U	870 UJ	870 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	885 UJ	NR	980 U	790 U	740 UJ	7160 U	870 UJ	870 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	443 U	388 U	30 J	400 U	21 J	3580 U	430 UJ	430 U
ANTHRACENE	UG/KG	100000	10000000	10000000	443 U	388 U	29 J	400 U	54 J	3580 U	430 UJ	430 U
BENZIDINE	UG/KG	NA	NA	NA	443 U	388 UJ	490 UJ	400 UJ	370 UJ	3580 U	430 UJ	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	77 J	388 U	220 J	400 U	400	484 J	52 J	41 J
BENZO(a)PYRENE	UG/KG	100000	660	660	54.4 J	388 U	230 J	400 U	350 J	541 J	87 J	44 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	173 J	388 U	520	89 J	510	853 J	390 J	100 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	443 U	388 U	490 U	400 U	220 J	3580 U	430 UJ	430 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	443 U	388 U	160 J	400 U	140 J	3580 U	140 J	430 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	388 U	490 U	400 U	370 U	NR	430 UJ	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	29.2 J	388 U	40 J	400 U	32 J	3580 U	39 J	430 U
CHRYSENE	UG/KG	500000	9000	40000	138 J	388 U	310 J	45 J	310 J	3580 U	120 J	70 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	69.5 J	388 U	170 J	400 U	2900	7060	470 J	640
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	443 U	388 U	490 U	400 U	370 UJ	3580 U	430 UJ	430 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-B83-03 8/1/2000 0 - 0.75 ft.	SB-J12-2-02 8/2/2000 0 - 1 ft.	SB-J12-2-03 5/23/2000 0 - 1.5 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-1-01 5/16/2000 0 - 1.25 ft.	SB-K10-1-02 7/25/2000 0 - 2 ft.	SB-K10-2-02 5/25/2000 0 - 1.5 ft.	SB-K10-2-05 5/25/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	443 U	388 U	490 U	400 U	88 J	3580 U	430 UJ	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	204 J	388 U	500	400 U	640	806 J	160 J	82 J
FLUORENE	UG/KG	100000	2300000	10000000	443 U	388 U	30 J	400 U	370 U	3580 U	430 UJ	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	443 U	NR	490 U	400 U	370 U	3580 U	430 UJ	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	443 UJ	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	443 U	388 U	490 U	400 U	210 J	3580 U	430 UJ	430 U
ISOPHORONE	UG/KG	50000	1100000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	443 U	388 UJ	490 U	400 U	370 U	3580 U	430 UJ	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	443 U	388 U	490 U	400 U	540	913 J	430 UJ	110 J
NAPHTHALENE	UG/KG	100000	230000	4200000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	885 U	776 U	980 U	790 U	740 U	7160 U	870 UJ	870 U
PHENANTHRENE	UG/KG	NA	NA	NA	104 J	388 U	320 J	25 J	190 J	3580 U	76 J	31 J
PHENOL	UG/KG	50000	10000000	10000000	443 U	388 U	490 U	400 U	370 U	3580 U	430 UJ	430 U
PYRENE	UG/KG	100000	1700000	10000000	178 J	388 U	630	400 U	660	3580 U	140 J	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.	SB-K10-2090-04 5/16/2000 0 - 1.25 ft.	SB-K10-2090-07 5/16/2000 0 - 2 ft.	SB-K10-2090-08 5/16/2000 0 - 1 ft.	SB-K10-2197-04 8/1/2000 0 - 2 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	370 U	360 U	370 U	376 U	3700 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	290 J	370 U	360 U	370 U	376 U	3700 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	376 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	370 U	360 U	370 U	376 U	3700 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	370 U	360 U	370 U	376 U	3700 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	730 U	740 U	720 U	740 U	752 U	7500 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**61 J**	**120 J**	360 UJ	**1800 J**	**98.5 J**	**990 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	370 U	360 U	370 U	376 U	3700 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	730 U	740 U	720 U	740 U	752 UJ	7500 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	730 U	740 U	720 UJ	740 U	752 U	7500 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	730 U	740 U	720 UJ	740 U	752 U	7500 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	20 J	130 J	360 U	580	376 U	3700 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	64 J	120 J	360 U	250 J	376 U	3700 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	92 J	510	360 U	2100	376 U	3700 UJ
BENZIDINE	UG/KG	NA	NA	NA	370 U	370 U	360 UJ	370 U	376 U	3700 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	620	**2200**	360 U	**5400**	110 J	3700 UJ
BENZO(a)PYRENE	UG/KG	100000	660	660	**760**	**1700**	27 J	**3900**	90.6 J	3700 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1200**	**2300**	360 U	**4900**	133 J	3700 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	570	1100	360 U	2700	376 U	3700 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	350 J	690	360 U	**1500**	376 U	3700 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	370 U	360 U	370 U	376 U	3700 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	370 U	360 U	370 U	NR	3700 UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	70 J	370 U	360 U	370 U	23.3 J	1100 J
CHRYSENE	UG/KG	500000	9000	40000	830	1700	360 U	3900	106 J	3700 UJ
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	23000	4500	1100	2900	376 U	48000 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	370 U	360 UJ	370 U	376 U	3700 UJ

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.	SB-K10-2090-04 5/16/2000 0 - 1.25 ft.	SB-K10-2090-07 5/16/2000 0 - 2 ft.	SB-K10-2090-08 5/16/2000 0 - 1 ft.	SB-K10-2197-04 8/1/2000 0 - 2 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	370 U	360 U	370 U	376 U	3700 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	140 J	370 U	360 U	33 J	376 U	2900 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	1600	3800	360 U	5500	229 J	3700 UJ
FLUORENE	UG/KG	100000	2300000	10000000	28 J	230 J	360 U	1100	376 U	3700 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	370 U	360 U	370 U	376 U	3700 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	370 U	360 U	370 U	376 U	3700 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	370 U	360 U	370 U	376 UJ	3700 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	370 U	360 U	370 U	376 U	3700 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	520	**1000**	360 U	**2800**	376 U	3700 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	370 U	360 U	370 U	376 U	3700 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	370 U	360 U	370 U	376 U	3700 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	370 U	360 U	370 U	376 U	3700 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3700	320 J	170 J	410	376 U	10000 J
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	370 U	360 U	95 J	376 U	3700 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	730 U	740 U	720 U	740 U	752 U	7500 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	470	2300	25 J	5700	63.5 J	3700 UJ
PHENOL	UG/KG	50000	10000000	10000000	370 U	370 U	360 U	370 U	376 UJ	3700 UJ
PYRENE	UG/KG	100000	1700000	10000000	1800	4500	360 U	12000	182 J	3700 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.	SB-K10-5-02 5/16/2000 0 - 1.5 ft.	SB-K10-5-04 5/16/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 UJ	3700 U	380 U	400 U	360 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	3700 UJ	380 U	400 U	360 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 UJ	3700 U	380 U	400 U	360 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 UJ	7400 U	770 UJ	800 U	720 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**66 J**	**450 J**	**1170 J**	**162 J**	360 UJ	370 UJ
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 UJ	3700 U	380 U	400 U	360 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 UJ	3700 U	380 U	400 U	360 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 UJ	7400 U	770 U	800 U	720 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 UJ	7400 U	770 UJ	800 U	720 UJ	740 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 UJ	3700 UJ	380 U	400 U	360 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 UJ	7400 U	770 UJ	800 U	720 UJ	740 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 UJ	3700 U	31 J	39 J	360 U	94 J
ANTHRACENE	UG/KG	100000	10000000	10000000	400 UJ	3700 U	24 J	56 J	360 U	67 J
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	3700 UJ	380 UJ	400 U	360 UJ	370 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	70 J	3700 U	68 J	170 J	360 U	420
BENZO(a)PYRENE	UG/KG	100000	660	660	84 J	3700 U	64 J	140 J	32 J	390
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 J	3700 U	110 J	310 J	89 J	840
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	130 J	3700 UJ	96 J	140 J	360 U	270 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	140 J	3700 U	380 U	110 J	360 U	200 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	3700 UJ	380 U	400 U	360 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 UJ	3700 U	380 U	400 U	360 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 UJ	3700 U	380 U	400 U	360 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	99 J	190 J	190 J	1000	360 U	22 J
CHRYSENE	UG/KG	500000	9000	40000	86 J	3700 U	80 J	200 J	47 J	470
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4300 J	10000 B	24000	20000	66 J	950
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	3700 U	380 UJ	400 U	360 UJ	370 UJ

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.	SB-K10-5-02 5/16/2000 0 - 1.5 ft.	SB-K10-5-04 5/16/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 UJ	3700 UJ	380 U	400 U	360 U	89 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3000 J	10000	600 J	1300	360 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	120 J	3700 U	82 J	360 J	360 U	480
FLUORENE	UG/KG	100000	2300000	10000000	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 UJ	3700 U	380 U	400 U	360 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 UJ	3700 U	380 U	400 U	360 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	3700 U	380 UJ	400 U	360 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 UJ	3700 U	380 U	400 U	360 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	130 J	3700 UJ	78 J	130 J	360 U	270 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 UJ	3700 U	380 U	400 U	360 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	3700 U	380 U	400 U	360 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	730 J	5000 J	3200	1800	360 U	73 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 UJ	3700 U	380 U	400 U	360 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 UJ	7400 U	770 U	800 U	720 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	71 J	3700 U	33 J	92 J	360 U	100 J
PHENOL	UG/KG	50000	10000000	10000000	400 UJ	3700 U	380 U	400 U	360 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	160 J	3700 UJ	130 J	340 J	360 U	560

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-6-02 5/18/2000 0 - 1.5 ft.	SB-K10-6-04 5/18/2000 0 - 1 ft.	SB-K10-79A-01 5/18/2000 0 - 1.25 ft.	SB-K10-79A-03 8/1/2000 0 - 1.5 ft.	SB-K11-1-04 5/18/2000 0 - 1 ft.	SB-K11-1-05 5/18/2000 0 - 1.25 ft.	SB-K11-2225B-02 5/12/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	439 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	780 U	830 U	879 U	750 U	800 U	750 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	390 U	420 U	439 U	**61 J**	400 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	780 U	830 U	879 U	750 U	800 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	780 U	830 UJ	879 U	750 U	800 U	750 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	780 U	830 U	879 UJ	750 U	800 U	750 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	39 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	130 J	22 J	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	390 U	420 U	439 U	97 J	400 U	160 J
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	390 UJ	420 U	439 U	370 U	400 UJ	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	390 U	420 U	439 U	390	130 J	810
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	24 J	420 U	439 U	540	140 J	**750**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	390 U	420 U	439 U	700	200 J	**1100**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	390 U	420 UJ	439 U	500	100 J	390
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	390 U	420 U	439 U	220 J	400 U	290 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	390 U	420 U	439 U	370 U	400 U	370 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	390 U	420 U	NR	370 U	400 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	24 J	24 J	25 J	27.3 J	370 U	27 J	210 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	390 U	420 U	439 U	510	160 J	640
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1100	2700	420 U	439 U	4700	1900	240 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	420 U	439 U	370 UJ	400 U	370 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-6-02 5/18/2000 0 - 1.5 ft.	SB-K10-6-04 5/18/2000 0 - 1 ft.	SB-K10-79A-01 5/18/2000 0 - 1.25 ft.	SB-K10-79A-03 8/1/2000 0 - 1.5 ft.	SB-K11-1-04 5/18/2000 0 - 1 ft.	SB-K11-1-05 5/18/2000 0 - 1.25 ft.	SB-K11-2225B-02 5/12/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	390 U	420 U	439 U	130 J	400 U	100 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	420 U	439 U	140 J	36 J	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	390 U	420 U	439 U	790	280 J	1500
FLUORENE	UG/KG	100000	2300000	10000000	390 U	390 U	420 U	439 U	42 J	400 U	46 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	390 U	420 U	439 UJ	370 U	400 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	390 UJ	420 U	439 U	370 UJ	400 UJ	370 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	390 U	420 U	439 U	430	92 J	400
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	390 U	420 U	439 U	370 U	400 U	370 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	370 U	400 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	87 J	280 J	420 U	439 U	1000	130 J	800
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	780 U	830 U	879 U	750 U	800 U	750 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	390 U	420 U	439 U	440	140 J	520
PHENOL	UG/KG	50000	10000000	10000000	390 U	390 U	420 U	439 U	370 U	400 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	390 U	420 U	439 U	890	240 J	1000

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2264-03 8/1/2000 0 - 1 ft.	SB-K11-2264-04 5/18/2000 0 - 1.5 ft.	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2301-02 8/1/2000 0 - 1 ft.	SB-K11-2301-04 5/18/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	377 U	380 U	410 U	400 U	480 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	377 U	380 U	410 U	350 J	480 UJ	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	377 U	NR	NR	NR	480 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	377 U	380 U	410 U	400 U	480 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	377 U	380 U	410 U	400 U	480 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	755 U	760 U	810 U	790 U	959 U	800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	377 U	**61 J**	**170 J**	**96 J**	**110 J**	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	377 U	380 U	410 U	400 U	480 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	755 UJ	760 U	810 U	100 J	959 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	755 U	760 U	810 U	790 U	959 U	800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	755 U	760 U	810 U	790 U	959 UJ	800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	377 U	380 U	21 J	400 U	480 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	377 U	380 U	86 J	400 U	480 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	377 U	34 J	120 J	400 U	480 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	377 U	380 UJ	410 UJ	400 UJ	480 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	134 J	160 J	500	400 U	152 J	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	145 J	150 J	540	400 U	195 J	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	198 J	240 J	**920**	400 U	518	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	377 U	92 J	460	400 U	254 J	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	112 J	380 U	200 J	400 U	227 J	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	377 U	380 U	410 U	400 U	480 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	380 U	410 U	400 U	NR	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	28.3 J	30 J	230 J	290 J	83.9 J	27 J
CHRYSENE	UG/KG	500000	9000	40000	160 J	190 J	760	400 U	306 J	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	276 J	290 J	16000 *D	16000 *D	3260	3100
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	377 U	380 U	410 U	220 J	480 U	400 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2264-03 8/1/2000 0 - 1 ft.	SB-K11-2264-04 5/18/2000 0 - 1.5 ft.	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2301-02 8/1/2000 0 - 1 ft.	SB-K11-2301-04 5/18/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	377 U	380 U	410 U	400 U	480 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	377 U	380 U	250 J	950	480 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	321 J	400	1400	400 U	341 J	400 U
FLUORENE	UG/KG	100000	2300000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	377 U	380 U	410 U	400 U	480 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	377 U	380 U	410 U	400 U	480 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	377 UJ	380 UJ	410 UJ	400 UJ	480 U	400 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	377 U	380 U	410 U	400 U	480 UJ	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	377 U	87 J	420	400 U	233 J	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	377 U	380 U	410 U	400 U	480 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	377 U	380 U	410 U	400 U	480 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	377 U	380 U	6000	4700	1170	710
NAPHTHALENE	UG/KG	100000	230000	4200000	377 U	380 U	410 U	400 U	480 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	755 U	760 U	810 U	790 U	959 U	800 U
PHENANTHRENE	UG/KG	NA	NA	NA	115 J	190 J	690	400 U	165 J	400 U
PHENOL	UG/KG	50000	10000000	10000000	377 U	380 U	410 U	400 U	480 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	285 J	340 J	1300	400 U	339 J	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2302-03 5/18/2000 0 - 1.5 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-598-02 7/25/2000 0 - 0.5 ft.	SB-K11-598-03 5/12/2000 0 - 1 ft.	SB-K11-601-01 5/12/2000 0 - 0.5 ft.	SB-K11-604-02 5/18/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	381 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	9400 U	7400 U	761 U	790 U	810 U	730 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	4700 U	3700 U	381 U	400 U	**39 J**	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	9400 U	7400 UJ	761 U	790 UJ	810 UJ	730 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	9400 U	7400 U	761 U	790 U	810 U	730 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	4700 U	3700 U	381 UJ	400 U	410 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 U	9400 U	7400 U	761 UJ	790 U	810 U	730 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	4700 U	3700 U	348 J	400 U	46 J	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	4700 U	610 J	381 U	400 U	37 J	55 J
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	4700 U	1400 J	1300	55 J	250 J	66 J
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	4700 UJ	3700 U	381 U	400 U	410 U	370 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	43 J	440 J	**4200**	**4090**	270 J	**1100**	300 J
BENZO(a)PYRENE	UG/KG	100000	660	660	42 J	420 J	**5000**	**3710**	280 J	**1200**	320 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	71 J	4700 U	**9300**	**5320**	490	**1700**	490
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	4700 U	3000 J	2260	190 J	760	280 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	4700 U	**3300 J**	**1820**	200 J	550	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 J	1700 J	3700 U	381 U	400 U	410 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	4700 U	3700 UJ	381 U	400 UJ	410 UJ	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	4700 U	3700 U	NR	400 U	410 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	900	38000	200 J	31.2 J	35 J	70 J	31 J
CHRYSENE	UG/KG	500000	9000	40000	56 J	500 J	4700	3730	390 J	990	350 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	19000 *D	**300000 *D**	**190000 *D**	1140	300 J	3100	1800
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2302-03 5/18/2000 0 - 1.5 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-598-02 7/25/2000 0 - 0.5 ft.	SB-K11-598-03 5/12/2000 0 - 1 ft.	SB-K11-601-01 5/12/2000 0 - 0.5 ft.	SB-K11-604-02 5/18/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	4700 U	3700 U	381 U	400 U	220 J	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	550	**72000**	3500 J	381 U	400 U	410 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	92 J	820 J	9000	5860	790	2400	730
FLUORENE	UG/KG	100000	2300000	10000000	400 U	4700 U	380 J	458	400 U	59 J	31 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	4700 UJ	3700 U	381 U	400 U	410 U	370 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	4700 U	**3000 J**	**2190**	190 J	720	250 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	19000 *D	**260000 *D**	9300	339 J	280 J	320 J	520
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	9400 U	7400 U	761 U	790 U	810 U	730 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	4700 U	4200	3620	230 J	620	390
PHENOL	UG/KG	50000	10000000	10000000	400 U	4700 U	3700 U	381 U	400 U	410 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	890 J	8100	5980	530	1700	770

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-K11-607-01 8/1/2000 0 - 2 ft.	SB-K11-607-02 5/18/2000 0 - 1.5 ft.	SB-K11-B2-01 5/18/2000 0 - 0.75 ft.	SB-K11-B2-03 8/1/2000 0 - 1 ft.	SB-K11-B3-01 7/25/2000 0 - 1 ft.	SB-K11-B3-02 5/12/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	394 UJ	355 U	350 U	370 U	387 U	386 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	394 U	355 U	NR	NR	387 U	386 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	788 U	710 U	690 U	750 U	775 U	772 U	780 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**88.7 J**	355 U	350 U	370 U	387 U	386 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	788 U	710 UJ	690 U	750 U	775 U	772 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	788 U	710 U	690 U	750 U	775 U	772 U	780 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	788 UJ	710 U	690 U	750 U	775 UJ	772 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	142 J	355 U	350 U	26 J	387 U	386 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	122 J	355 U	350 U	52 J	387 U	386 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	394 U	355 U	350 UJ	370 UJ	387 U	386 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	539	46.9 J	350 U	190 J	92.2 J	101 J	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**929**	40.1 J	350 U	250 J	97.6 J	131 J	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2080**	76.3 J	350 U	450	198 J	259 J	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	913	355 U	350 U	260 J	387 U	119 J	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	584	355 U	350 U	120 J	69.4 J	91.1 J	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	394 U	355 U	350 U	370 U	387 U	386 U	390 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	350 U	370 U	NR	NR	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	57.1 J	24.1 J	18 J	24 J	368 J	49 J	19 J
CHRYSENE	UG/KG	500000	9000	40000	837	50.1 J	350 U	260 J	114 J	127 J	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	5500	76.3 J	57 J	520	1400	3360	1200
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-K11-607-01 8/1/2000 0 - 2 ft.	SB-K11-607-02 5/18/2000 0 - 1.5 ft.	SB-K11-B2-01 5/18/2000 0 - 0.75 ft.	SB-K11-B2-03 8/1/2000 0 - 1 ft.	SB-K11-B3-01 7/25/2000 0 - 1 ft.	SB-K11-B3-02 5/12/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	271 J	355 U	350 U	170 J	387 U	386 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	70.6 J	350 U	370 U	127 J	386 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1360	95.1 J	350 U	230 J	176 J	236 J	390 U
FLUORENE	UG/KG	100000	2300000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	394 U	355 U	350 U	370 U	387 UJ	386 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	394 U	355 UJ	350 UJ	370 UJ	387 U	386 U	390 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	394 UJ	355 U	350 U	370 U	387 U	386 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**945**	355 U	350 U	200 J	77.9 J	98.8 J	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	394 U	355 U	350 U	370 U	387 U	386 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	394 U	355 U	350 U	370 U	387 U	386 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	609	18.5 J	350 U	82 J	220 J	175 J	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	788 U	710 U	690 U	750 U	775 U	772 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	498	27.3 J	350 U	79 J	57 J	83.8 J	390 U
PHENOL	UG/KG	50000	10000000	10000000	394 U	355 U	350 U	370 U	387 U	386 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	1590	355 U	350 U	210 J	141 J	225 J	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-1-01 8/1/2000 0 - 1 ft.	SB-K9-1-02 5/25/2000 0 - 1 ft.	SB-K9-4-01 8/1/2000 0 - 0.5 ft.	SB-K9-4-02 5/25/2000 0 - 1 ft.	SB-L10-1-02 5/16/2000 0 - 1.5 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.	SB-L10-2-02 5/18/2000 0 - 1 ft.	SB-L10-2088-01 8/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	416 U	430 U	380 U	370 U	380 U	413 UJ	360 U	372 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	416 U	NR	380 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	831 U	850 U	759 U	740 U	770 U	826 U	720 U	745 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	416 U	430 U	380 U	370 U	380 U	**740.9 J**	**180 J**	**232.5 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	416 U	430 U	380 U	370 U	380 U	413 UJ	360 U	372 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	NR	360 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	831 U	850 U	759 U	740 U	770 U	826 U	720 U	745 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	831 U	850 U	759 U	740 U	770 U	826 U	720 U	745 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
4-NITROPHENOL	UG/KG	NA	NA	NA	831 UJ	850 U	759 UJ	740 U	770 U	NR	720 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	416 U	430 U	380 U	370 U	380 U	413 UJ	25 J	372 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
ANTHRACENE	UG/KG	100000	10000000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	74 J	108 J
BENZIDINE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 UJ	413 U	360 U	372 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	83.1 J	430 U	380 U	370 U	380 U	163 J	490	450
BENZO(a)PYRENE	UG/KG	100000	660	660	84 J	30 J	380 U	370 U	380 U	170 J	470	441
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	200 J	430 U	380 U	370 U	380 U	233 J	800	762
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	106 J	340 J	359 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	74 J	430 U	380 U	370 U	380 U	124 J	290 J	232 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	430 U	NR	370 U	380 U	413 U	360 U	372 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25.4 J	430 U	380 U	370 U	23 J	413 U	130 J	33.1 J
CHRYSENE	UG/KG	500000	9000	40000	141 J	430 U	380 U	370 U	380 U	164 J	480	492
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	416 U	430 U	380 U	370 U	380 U	1380	1100 B	758
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	416 U	430 U	380 U	370 U	380 UJ	413 U	360 U	372 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-1-01 8/1/2000 0 - 1 ft.	SB-K9-1-02 5/25/2000 0 - 1 ft.	SB-K9-4-01 8/1/2000 0 - 0.5 ft.	SB-K9-4-02 5/25/2000 0 - 1 ft.	SB-L10-1-02 5/16/2000 0 - 1.5 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.	SB-L10-2-02 5/18/2000 0 - 1 ft.	SB-L10-2088-01 8/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	416 U	430 U	380 U	370 U	380 U	413 U	360 U	105 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	1900	372 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	242 J	90 J	380 U	370 U	380 U	353 J	890	1040
FLUORENE	UG/KG	100000	2300000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	34 J	372 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	416 U	430 U	380 U	370 U	380 U	NR	360 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	416 U	430 U	380 UJ	370 U	380 U	413 U	360 U	372 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	416 U	430 U	380 U	370 U	380 UJ	413 U	360 U	372 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	416 UJ	430 U	380 U	370 U	380 U	413 U	360 U	372 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	69.8 J	430 U	380 U	370 U	380 U	95 J	320 J	321 J
ISOPHORONE	UG/KG	50000	1100000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	416 U	430 U	380 U	370 U	380 U	413 UJ	360 U	372 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	416 U	430 U	380 U	370 U	380 UJ	218 J	220 J	185 J
NAPHTHALENE	UG/KG	100000	230000	4200000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	831 U	850 U	759 U	740 U	770 U	826 U	720 U	745 U
PHENANTHRENE	UG/KG	NA	NA	NA	126 J	50 J	380 U	370 U	380 U	110 J	410	451
PHENOL	UG/KG	50000	10000000	10000000	416 U	430 U	380 U	370 U	380 U	413 U	360 U	372 U
PYRENE	UG/KG	100000	1700000	10000000	223 J	430 U	380 U	370 U	380 U	234 J	1400	750

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2088-02 5/18/2000 0 - 1 ft.	SB-L10-2191-02 5/16/2000 0 - 1.5 ft.	SB-L10-2191-06 5/16/2000 0 - 1 ft.	SB-L10-2242-02 8/2/2000 0 - 1 ft.	SB-L10-2242-03 5/18/2000 0 - 1.5 ft.	SB-L10-2316-02 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	420 U	360 U	376 U	360 U	3500 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	980	360 U	376 U	360 U	3500 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	420 U	360 U	376 UJ	360 U	3500 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	420 U	360 U	376 U	360 U	3500 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	420 U	360 U	376 U	360 U	3500 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	760 U	830 U	720 U	753 U	720 U	6900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**31 J**	420 U	360 U	**1413.2 J**	**817 J**	**560 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	420 U	360 U	376 UJ	360 U	3500 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	420 U	360 U	NR	360 U	3500 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	760 U	830 U	720 U	753 U	720 U	6900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	760 U	830 U	720 U	753 U	720 U	6900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
4-NITROPHENOL	UG/KG	NA	NA	NA	760 U	830 U	720 U	NR	720 UJ	6900 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	18 J	72 J	360 U	128 UJ	360 U	700 JD
ACENAPHTHYLENE	UG/KG	NA	NA	NA	36 J	100 J	360 U	376 U	360 U	3500 U
ANTHRACENE	UG/KG	100000	10000000	10000000	66 J	290 J	360 U	487	360 U	2300 JD
BENZIDINE	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	560	**1400**	67 J	**2030**	52 J	**6900 D**
BENZO(a)PYRENE	UG/KG	100000	660	660	530 J	**1200**	68 J	**1910**	61 J	**5900 D**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	700 J	**1700**	91 J	**2640**	110 J	**9500 D**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	320 J	1000	81 J	1140	360 U	3100 JD
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 J	590	360 U	**1040**	360 U	**3400 JD**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	420 U	360 U	376 U	360 U	3500 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	75 J	1000	34 J	376 U	38 J	3500 U
CHRYSENE	UG/KG	500000	9000	40000	540	1200	86 J	1690	88 J	6500 D
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1200 B	47000	560	646	660 B	8700 BD
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	420 U	360 U	376 U	360 U	3500 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2088-02 5/18/2000 0 - 1 ft.	SB-L10-2191-02 5/16/2000 0 - 1.5 ft.	SB-L10-2191-06 5/16/2000 0 - 1 ft.	SB-L10-2242-02 8/2/2000 0 - 1 ft.	SB-L10-2242-03 5/18/2000 0 - 1.5 ft.	SB-L10-2316-02 5/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 UJ	420 U	360 U	344 J	360 U	3500 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	42 J	420 U	360 U	376 U	360 U	3500 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	630	360 U	376 U	360 U	3500 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	760	2600	190 J	4440	200 J	15000 D
FLUORENE	UG/KG	100000	2300000	10000000	29 J	120 J	360 U	186 J	360 U	1200 JD
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	420 U	360 U	NR	360 U	3500 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	420 U	360 U	376 U	360 U	3500 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	420 U	360 U	376 U	360 U	3500 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	420 U	360 U	376 U	360 U	3500 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	270 J	**920**	360 U	**1170**	360 U	**3300 JD**
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	420 U	360 U	376 UJ	360 U	3500 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	420 U	360 U	376 U	360 U	3500 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1300	24000	360 U	332 J	360 J	2500 JD
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	180 J	360 U	376 U	360 U	3500 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	760 U	830 U	720 U	753 U	720 U	6900 U
PHENANTHRENE	UG/KG	NA	NA	NA	250 J	1200	83 J	1930	100 J	8900 D
PHENOL	UG/KG	50000	10000000	10000000	380 U	420 U	360 U	376 U	360 U	3500 U
PYRENE	UG/KG	100000	1700000	10000000	1400	3300	240 J	3030	150 J	13000 D

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-4-02 7/25/2000 0 - 1 ft.	SB-L10-4-05 5/16/2000 0 - 1 ft.	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8210-03 5/25/2000 0 - 1 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L10-8215-01 8/2/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3600 U	390 U	370 U	NR	NR	392 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3600 U	390 U	370 U	NR	NR	392 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3600 U	390 U	370 U	NR	400 U	392 UJ	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3600 U	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7200 U	780 U	740 U	**14800**	4240	784 U	750 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3600 U	390 UJ	**151 J**	NR	**185 J**	**733**	**680 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3600 U	390 U	370 U	NR	400 U	392 UJ	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	NR	NR	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7200 U	780 U	730 U	NR	NR	784 U	750 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7200 U	780 UJ	730 U	NR	790 U	784 U	750 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7200 U	780 UJ	730 U	NR	NR	NR	750 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3600 U	390 U	37 J	NR	28.8 J	392 UJ	27 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3600 U	390 U	45 J	NR	23.67 J	392 U	15 J
ANTHRACENE	UG/KG	100000	10000000	10000000	3600 U	64 J	89 J	NR	54.44 J	392 U	64 J
BENZIDINE	UG/KG	NA	NA	NA	3600 U	390 UJ	370 U	NR	400 U	392 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3600 U	270 J	620	NR	358 J	151 J	400
BENZO(a)PYRENE	UG/KG	100000	660	660	3600 U	230 J	620 J	NR	375 J	149 J	300 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3600 U	310 J	**1100 J**	NR	639	202 J	670 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3600 U	140 J	360 J	NR	201 J	87.1 J	160 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3600 U	97 J	340 J	NR	159 J	113 J	140 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3600 U	390 U	370 U	NR	497	392 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	390 U	370 U	NR	400 U	392 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3600 U	33 J	42 J	NR	279 J	392 U	35 J
CHRYSENE	UG/KG	500000	9000	40000	3600 U	220 J	800	NR	444	145 J	400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	817 J	480	1100 B	NR	758	1610	1200 B
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3600 U	390 UJ	370 UJ	NR	400 U	392 U	370 UJ

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-4-02 7/25/2000 0 - 1 ft.	SB-L10-4-05 5/16/2000 0 - 1 ft.	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8210-03 5/25/2000 0 - 1 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L10-8215-01 8/2/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3600 U	390 U	370 UJ	NR	400 U	392 U	370 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3600 U	390 U	37 J	NR	400 U	392 U	53 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3600 U	550	1300	NR	637	324 J	580
FLUORENE	UG/KG	100000	2300000	10000000	3600 U	390 U	77 J	NR	41.82 J	392 U	34 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3600 U	390 U	370 U	NR	400 U	NR	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3600 U	130 J	320 J	NR	189 J	85.1 J	170 J
ISOPHORONE	UG/KG	50000	1100000	10000000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3600 U	390 U	370 U	NR	400 U	392 UJ	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3600 U	390 U	370 U	NR	400 U	392 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3600 U	390 U	100 J	NR	583	223 J	140 J
NAPHTHALENE	UG/KG	100000	230000	4200000	3600 U	390 U	370 U	NR	NR	392 U	36 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7200 U	780 U	730 U	NR	790 U	784 U	750 U
PHENANTHRENE	UG/KG	NA	NA	NA	3600 U	260 J	910	NR	509	124 J	350 J
PHENOL	UG/KG	50000	10000000	10000000	3600 U	390 U	370 U	NR	400 U	392 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	3600 U	580	2300	NR	1710 J	231 J	690

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-B462-01 8/2/2000 0 - 1.25 ft.	SB-L10-B462-03 5/18/2000 0 - 1 ft.	SB-L11-1-04 5/18/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0 - 1 ft.	SB-L11-2089-01 5/18/2000 0 - 1 ft.	SB-L11-2089-05 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	366 U	370 U	350 U	390 U	370 U	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	366 U	370 U	350 U	390 U	370 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	366 U	370 U	350 U	390 U	370 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	732 U	740 U	700 U	780 U	740 U	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	366 U	**150 J**	**3340**	**1300 J**	**860 J**	**1140**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	366 U	370 U	350 U	390 U	370 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	370 U	350 U	390 U	370 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	732 U	740 U	700 U	780 U	740 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	732 U	740 U	700 U	780 U	740 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	740 U	700 U	780 U	740 U	720 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	366 U	370 U	55 J	66 J	27 J	25 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	366 U	370 U	350 U	65 J	370 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	366 U	370 U	430	370 J	92 J	120 J
BENZIDINE	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 UJ	370 U	360 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	366 U	100 J	**940**	**1300**	260 J	840
BENZO(a)PYRENE	UG/KG	100000	660	660	31 J	87 J	**830 J**	**1200**	250 J	**810**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	366 U	160 J	**1200 J**	**2000**	340 J	**1300**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	366 U	370 U	430 J	890	370 U	440
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	366 U	370 U	540 J	740	240 J	460
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	366 U	370 U	350 U	390 U	370 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	42 J	44 J	84 J	390 U	44 J	95 J
CHRYSENE	UG/KG	500000	9000	40000	366 U	110 J	770	1300	230 J	650
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	130 J	1900 B	2900 B	390 U	910 B	1300 B
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	48 J	370 U	350 UJ	390 U	370 U	360 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-B462-01 8/2/2000 0 - 1.25 ft.	SB-L10-B462-03 5/18/2000 0 - 1 ft.	SB-L11-1-04 5/18/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0 - 1 ft.	SB-L11-2089-01 5/18/2000 0 - 1 ft.	SB-L11-2089-05 5/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	366 U	370 U	350 UJ	260 J	370 U	140 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	366 U	370 U	1200	71 J	550	920
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	366 U	240 J	1600	2400	570	1000
FLUORENE	UG/KG	100000	2300000	10000000	366 U	370 U	92 J	130 J	49 J	37 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	370 U	350 U	390 U	370 U	360 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	366 U	370 U	350 U	390 U	370 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	366 U	370 U	350 U	390 U	370 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	366 U	370 U	350 U	390 U	370 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	366 U	370 U	420 J	890	81 J	430
ISOPHORONE	UG/KG	50000	1100000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	366 U	370 U	350 U	390 U	370 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	366 U	370 U	350 U	390 U	370 U	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	366 U	720	1700	2500	1500	590
NAPHTHALENE	UG/KG	100000	230000	4200000	366 U	370 U	350 U	29 J	370 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	732 U	740 U	700 U	780 U	740 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	366 U	110 J	690	1500	370	330 J
PHENOL	UG/KG	50000	10000000	10000000	366 U	370 U	350 U	390 U	370 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	366 U	210 J	2400	2200	490	2100

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2091-02 5/18/2000 0 - 0.5 ft.	SB-L11-2091-05 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L11-2225-05 5/25/2000 0 - 1 ft.	SB-L11-2226-02 5/18/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	380 U	430 U	370 U	350 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	380 U	430 U	370 U	350 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	380 U	430 U	370 U	350 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 U	760 U	850 U	740 U	700 U	710 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**238 J**	**1170**	430 U	370 U	350 U	**1900**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	380 U	430 U	370 U	350 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 U	760 U	850 U	740 UJ	700 U	710 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	740 U	760 U	850 U	740 U	700 U	710 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	740 U	760 U	850 U	740 U	700 U	710 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	58 J	430 U	370 U	78 J	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	380 U	430 U	21 J	350 U	350 U
ANTHRACENE	UG/KG	100000	10000000	10000000	34 J	230 J	430 U	30 J	330 J	82 J
BENZIDINE	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 UJ	350 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	180 J	**960**	430 U	100 J	**1600**	210 J
BENZO(a)PYRENE	UG/KG	100000	660	660	170 J	**920**	430 U	150 J	**1600**	180 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	290 J	**1500**	430 U	330 J	**1900**	250 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	360 J	430 U	130 J	600	81 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	140 J	640	430 U	130 J	**1400**	140 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	380 U	430 U	370 U	350 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	37 J	43 J	41 J	94 J	27 J	35 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	810	430 U	140 J	1200	190 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	570 U	4900 B	5300 B	380 U	790 B
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2091-02 5/18/2000 0 - 0.5 ft.	SB-L11-2091-05 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L11-2225-05 5/25/2000 0 - 1 ft.	SB-L11-2226-02 5/18/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	120 J	430 U	370 U	350 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 J	700	430 U	200 J	220 J	110 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 J	1700	430 U	180 J	2600	420
FLUORENE	UG/KG	100000	2300000	10000000	370 U	70 J	430 U	370 U	83 J	25 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	380 U	430 U	370 U	350 U	350 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	380 U	430 U	370 U	350 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	380 U	430 U	370 U	350 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	380 U	430 U	370 U	350 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	370 J	430 U	120 J	610	79 J
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	380 U	430 U	370 U	350 U	350 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	380 U	430 U	370 U	350 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	95 J	90 J	180 J	490	350 U	380
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	380 U	430 U	370 U	350 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	740 U	760 U	850 U	740 U	700 U	710 U
PHENANTHRENE	UG/KG	NA	NA	NA	150 J	560	430 U	47 J	790	280 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	380 U	430 U	370 U	350 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	390	1800	430 U	160 J	2900	340 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L8-1-01 7/13/2000 0 - 1 ft.	SB-L8-1-05 7/13/2000 0 - 1 ft.	SB-L9-1-02 5/12/2000 0 - 0.5 ft.	SB-L9-79B-01 5/25/2000 0 - 1.5 ft.	SB-L9-79B-03 9/13/2000 0 - 1 ft.	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-1-02 5/18/2000 0 - 1.5 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	450 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	734 U	750 U	760 U	899 U	7900 U	780 U	808 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	405 U	367 U	370 U	380 U	450 U	**2300 J**	390 U	404 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	370 U	380 U	450 U	4000 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	734 U	750 UJ	760 U	899 U	7900 UJ	780 U	808 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	734 U	750 U	760 U	899 U	7900 U	780 U	808 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	750 U	760 U	899 U	7900 U	780 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	405 U	367 U	100 J	380 U	450 U	4000 U	390 U	404 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	405 U	367 U	33 J	380 U	450 U	4000 U	390 U	404 U
ANTHRACENE	UG/KG	100000	10000000	10000000	405 U	367 U	300 J	380 U	450 U	4000 U	390 U	404 U
BENZIDINE	UG/KG	NA	NA	NA	405 U	367 UJ	370 U	380 UJ	450 U	4000 U	390 U	404 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	58.3 J	367 U	880	33 J	44.5 J	4000 U	390 U	112 J
BENZO(a)PYRENE	UG/KG	100000	660	660	72.1 J	367 U	**780**	34 J	44.1 J	4000 U	37 J	88 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	85.9 J	367 U	**1100**	380 U	67.4 J	4000 U	390 U	180 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	102 J	367 U	390	380 U	450 U	4000 U	390 UJ	404 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	405 U	367 U	350 J	380 U	450 U	4000 U	390 U	73 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	405 U	367 UJ	370 UJ	380 U	450 U	4000 UJ	390 U	404 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	405 U	367 U	370 U	380 U	NR	4000 U	390 U	404 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	45.4 J	25.3 J	150 J	300 J	26.1 U	790 J	390 U	404 U
CHRYSENE	UG/KG	500000	9000	40000	77 J	367 U	770	36 J	60.2 J	4000 U	53 J	140 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	51.9 J	66.8 J	270 J	380 U	450 U	500 J	390 U	167 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L8-1-01 7/13/2000 0 - 1 ft.	SB-L8-1-05 7/13/2000 0 - 1 ft.	SB-L9-1-02 5/12/2000 0 - 0.5 ft.	SB-L9-79B-01 5/25/2000 0 - 1.5 ft.	SB-L9-79B-03 9/13/2000 0 - 1 ft.	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-1-02 5/18/2000 0 - 1.5 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	405 U	367 U	110 J	380 U	450 U	4000 U	390 U	404 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	117 J	367 U	2200	72 J	98.9 J	4000 U	100 J	160 J
FLUORENE	UG/KG	100000	2300000	10000000	405 U	367 U	190 J	380 U	450 U	4000 U	390 U	404 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	370 U	380 U	450 U	4000 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	82.7 J	367 U	380	380 U	450 U	4000 U	390 U	404 U
ISOPHORONE	UG/KG	50000	1100000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	405 U	367 U	370 U	380 U	450 UJ	4000 U	390 U	404 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	405 U	367 UJ	370 U	380 U	450 U	4000 U	390 U	404 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	370 U	380 U	450 U	730 J	390 U	404 U
NAPHTHALENE	UG/KG	100000	230000	4200000	405 U	367 U	30 J	380 U	450 U	4000 U	390 U	404 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	734 U	750 U	760 U	899 U	7900 U	780 U	808 U
PHENANTHRENE	UG/KG	NA	NA	NA	65.2 J	367 U	1500	39 J	58.9 J	4000 U	60 J	404 U
PHENOL	UG/KG	50000	10000000	10000000	405 U	367 U	370 U	380 U	450 U	4000 U	390 U	404 U
PYRENE	UG/KG	100000	1700000	10000000	195 J	367 U	1500	380 U	110 J	4000 U	93 J	145 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-2262-04 8/2/2000 0 - 1.5 ft.	SB-M10-2262-05 5/23/2000 0 - 1 ft.	SB-M10-2315-02 5/18/2000 0 - 1.5 ft.	SB-M10-4-02 5/25/2000 0 - 0.5 ft.	SB-M10-6-02 5/18/2000 0 - 2 ft.	SB-M10-724-01 5/18/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	370 UJ	420 U	410 U	420 U	3700 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	370 U	420 U	410 U	420 U	3700 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	370 U	420 U	410 U	420 U	3700 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	370 U	420 U	410 U	420 U	3700 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	720 U	730 UJ	840 U	810 U	840 U	7400 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	**532 J**	420 U	410 U	420 U	3700 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	370 U	420 U	410 U	420 U	3700 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	370 U	420 U	410 U	420 U	3700 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	370 U	420 U	410 U	420 U	3700 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 U	730 U	840 U	810 UJ	840 U	7400 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	720 U	730 U	840 U	810 U	840 U	7400 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	370 U	420 U	410 U	420 U	3700 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	370 U	420 U	410 U	420 U	3700 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	730 U	840 U	810 U	840 U	7400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	370 U	24 J	410 U	420 U	3700 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	370 U	420 U	410 U	23 J	3700 U
BENZIDINE	UG/KG	NA	NA	NA	360 UJ	370 U	420 U	410 UJ	420 U	3700 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	82 J	240 J	420 U	87 J	59 J	330 JD
BENZO(a)PYRENE	UG/KG	100000	660	660	69 J	370 UJ	99 J	96 J	44 J	310 JD
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	123 J	400 J	140 J	160 J	110 J	3700 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	370 UJ	110 J	410 U	420 UJ	3700 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	48 J	120 J	420 U	410 U	420 U	3700 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	370 U	420 U	410 U	420 U	3700 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	370 U	420 U	410 U	420 U	3700 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	88 J	81 J	35 J	31 J	3700 U
CHRYSENE	UG/KG	500000	9000	40000	84 J	260 J	140 J	120 J	93 J	390 JD
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	360 U	270 J	940 B	67 U	260 U	16000 BD
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	370 UJ	420 U	410 U	420 U	3700 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-2262-04 8/2/2000 0 - 1.5 ft.	SB-M10-2262-05 5/23/2000 0 - 1 ft.	SB-M10-2315-02 5/18/2000 0 - 1.5 ft.	SB-M10-4-02 5/25/2000 0 - 0.5 ft.	SB-M10-6-02 5/18/2000 0 - 2 ft.	SB-M10-724-01 5/18/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	370 UJ	420 U	410 U	420 U	3700 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	370 U	420 U	410 U	420 U	1000 JD
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	177 J	340 J	180 J	210 J	160 J	740 JD
FLUORENE	UG/KG	100000	2300000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	370 U	420 U	410 U	420 U	3700 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	370 UJ	420 U	410 U	420 U	3700 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 U	370 U	420 U	410 U	420 U	3700 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	370 U	420 U	410 U	420 U	3700 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	370 UJ	90 J	410 U	420 U	3700 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	370 U	420 U	410 U	420 U	3700 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 UJ	370 U	420 U	410 U	420 U	3700 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 U	580	420 U	410 U	420 U	3200 JD
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	370 U	420 U	410 U	420 U	3700 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	720 U	730 U	840 U	810 U	840 U	7400 U
PHENANTHRENE	UG/KG	NA	NA	NA	60 J	120 J	66 J	80 J	89 J	290 JD
PHENOL	UG/KG	50000	10000000	10000000	360 U	370 U	420 U	410 U	420 U	3700 U
PYRENE	UG/KG	100000	1700000	10000000	153 J	540	230 J	150 J	140 J	3700 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-724-03 8/2/2000 0 - 1.5 ft.	SB-M10-B14-01 5/18/2000 0 - 1 ft.	SB-M10-B14-02 8/2/2000 0 - 0.5 ft.	SB-M11-3-02 5/25/2000 0 - 1 ft.	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M8-3-01 5/12/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	759 UJ	780 U	796 U	880 U	1045 UJ	800 UJ	760 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	379 UJ	390 U	398 U	440 U	522 UJ	**79 J**	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U	NR	440 U	NR	400 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	759 UJ	780 U	796 U	880 U	1045 UJ	800 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	759 UJ	780 U	796 U	880 U	1045 UJ	800 UJ	760 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	780 U	NR	880 U	NR	800 U	760 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	431 J	390 U	398 U	440 U	522 UJ	400 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	31 J	178 J	400 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	1410 J	390 U	398 U	44 J	319 J	400 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 UJ	522 UJ	400 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**4980 J**	67 J	148 J	140 J	**2350 J**	80 J	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**4670 J**	390 U	172 J	140 J	**1420 J**	61 J	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	6830 EJ	100 J	239 J	510	**6030 J**	400 U	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	2880 J	390 UJ	100 J	130 J	1490 J	400 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**2420 J**	390 U	126 J	150 J	**1550 J**	400 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	379 UJ	390 U	398 U	440 U	522 UJ	400 UJ	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	48 J	140 J	21 J	28 J	98 J	48 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	5100 J	100 J	205 J	400 J	6720 J	96 J	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	479 J	180 U	200 J	74 U	428 J	160 J	380 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-724-03 8/2/2000 0 - 1.5 ft.	SB-M10-B14-01 5/18/2000 0 - 1 ft.	SB-M10-B14-02 8/2/2000 0 - 0.5 ft.	SB-M11-3-02 5/25/2000 0 - 1 ft.	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M8-3-01 5/12/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	**796 J**	390 U	398 U	440 U	388 J	400 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	215 J	390 U	398 U	440 U	522 UJ	400 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	8770 EJ	150 J	487	610	12000 EJ	130 J	380 U
FLUORENE	UG/KG	100000	2300000	10000000	803 J	390 U	398 U	440 U	522 UJ	400 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	390 U	NR	440 U	NR	400 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	379 UJ	390 U	398 U	440 U	522 UJ	400 UJ	380 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**2840 J**	390 U	92 J	130 J	**1370 J**	400 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	69 J	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	696 J	390 U	398 U	440 U	522 UJ	180 J	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	92 J	390 U	398 U	440 U	522 UJ	400 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	759 UJ	780 U	796 U	880 U	1045 UJ	800 U	760 U
PHENANTHRENE	UG/KG	NA	NA	NA	7330 EJ	92 J	213 J	150 J	2340 J	50 J	380 U
PHENOL	UG/KG	50000	10000000	10000000	379 UJ	390 U	398 U	440 U	522 UJ	400 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	9620 EJ	190 J	339 J	450	12100 EJ	120 J	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M8-3-02 7/25/2000 0 - 1.25 ft.	SB-M9-2191-05 5/18/2000 0 - 1.25 ft.	SB-M9-2251-03 5/25/2000 0 - 1 ft.	SB-M9-2254-03 5/12/2000 0 - 1 ft.	SB-M9-2261-01 5/18/2000 0 - 2 ft.	SB-M9-2261-02 8/2/2000 0 - 1 ft.	SB-M9-3-01 5/18/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	369 U	360 UJ	430 U	370 U	380 U	3748 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	369 U	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	737 U	720 U	870 U	750 U	760 U	7497 U	700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	369 U	360 U	430 U	**3430 J**	380 U	3748 U	**10290 *D**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	369 U	360 U	430 U	370 U	380 U	NR	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	737 U	720 U	870 UJ	750 UJ	760 U	7497 U	700 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	737 U	720 U	870 U	750 U	760 U	7497 U	700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	369 U	360 UJ	430 U	370 U	380 U	3748 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	737 U	720 U	870 U	750 U	760 U	NR	700 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	369 U	360 U	98 J	370 U	380 U	3748 U	210 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	369 U	360 U	22 J	370 U	70 J	3748 U	220 J
ANTHRACENE	UG/KG	100000	10000000	10000000	369 U	360 U	400 J	370 U	150 J	2100 J	490
BENZIDINE	UG/KG	NA	NA	NA	369 U	360 UJ	430 UJ	370 U	380 U	3748 UJ	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	369 U	360 U	**1100**	59 J	740	**15300**	**1900**
BENZO(a)PYRENE	UG/KG	100000	660	660	369 U	26 J	**780**	69 J	620	**24000**	**2100**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	369 U	360 U	**1100**	100 J	870	**28200**	**3600**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	369 U	360 UJ	400 J	370 U	460 J	21400	1600 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	369 U	360 U	350 J	370 U	250 J	**10600**	**1000**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	369 U	360 UJ	430 U	370 U	380 U	3748 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	369 U	360 U	430 U	370 U	380 U	3748 UJ	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	369 U	360 U	430 U	370 UJ	380 U	3748 UJ	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	360 U	430 U	370 U	380 U	3748 U	350 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	369 U	30 J	430 U	30 J	1500	3748 UJ	110 J
CHRYSENE	UG/KG	500000	9000	40000	369 U	360 U	960	81 J	800	**15300**	2600
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	167 J	150 U	170 U	180 J	180 U	724 J	2900 B
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M8-3-02 7/25/2000 0 - 1.25 ft.	SB-M9-2191-05 5/18/2000 0 - 1.25 ft.	SB-M9-2251-03 5/25/2000 0 - 1 ft.	SB-M9-2254-03 5/12/2000 0 - 1 ft.	SB-M9-2261-01 5/18/2000 0 - 2 ft.	SB-M9-2261-02 8/2/2000 0 - 1 ft.	SB-M9-3-01 5/18/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	369 U	360 UJ	130 J	370 U	130 J	**4990**	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	369 U	360 U	430 U	370 U	350 J	3748 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	369 U	360 U	2300	190 J	1100	23000	3200
FLUORENE	UG/KG	100000	2300000	10000000	369 U	360 U	190 J	370 U	380 U	3748 U	320 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	369 U	360 U	430 U	370 U	380 U	NR	350 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	369 U	360 U	430 U	370 U	380 U	3748 UJ	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	369 U	360 UJ	410 J	370 U	440	**18500**	**1700**
ISOPHORONE	UG/KG	50000	1100000	10000000	369 U	360 U	430 U	370 U	380 U	3748 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	369 U	360 U	430 U	370 U	380 U	3748 UJ	350 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	369 U	360 U	430 U	370 U	380 U	3748 UJ	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	369 U	85 J	430 U	570	2800	2310 J	490
NAPHTHALENE	UG/KG	100000	230000	4200000	369 U	360 U	430 U	370 U	380 U	3748 U	55 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	737 U	720 U	870 U	750 U	760 U	7497 U	700 U
PHENANTHRENE	UG/KG	NA	NA	NA	369 U	22 J	1900	68 J	490	5810	3200
PHENOL	UG/KG	50000	10000000	10000000	369 U	360 U	430 U	370 U	380 U	3748 UJ	350 U
PYRENE	UG/KG	100000	1700000	10000000	369 U	360 UJ	2300	110 J	1600	31100 J	4700

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M9-5-02 5/18/2000 0 - 2 ft.	SB-M9-8151-02 7/13/2000 0 - 1.25 ft.	SB-M9-8151-03 9/27/2000 0 - 1.5 ft.	SB-N8-2304-01 5/25/2000 0 - 1 ft.	SB-N8-2304-05 5/25/2000 0 - 1 ft.	SB-N9-2195-02 5/23/2000 0 - 1.5 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	349 UJ	369 U	390 U	720 U	380 UJ	360 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 UJ	349 UJ	369 U	390 U	720 U	380 U	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	369 U	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	697 U	738 U	780 U	1400 U	760 UJ	720 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	NR	369 U	390 U	720 U	380 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	697 U	738 UJ	780 U	1400 U	760 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	697 U	738 U	780 U	1400 U	760 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	349 UJ	369 U	390 U	720 U	380 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	349 UJ	369 U	390 U	720 U	380 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	NR	738 U	780 U	1400 U	760 U	720 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	349 U	369 U	71 J	99 JD	380 U	58 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	349 U	369 U	160 J	320 JD	380 U	16 J
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	349 U	68.3 J	410	700 JD	380 U	360 J
BENZIDINE	UG/KG	NA	NA	NA	420 UJ	349 UJ	369 U	390 UJ	720 U	380 U	360 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	194 J	250 J	**1600**	**3300 D**	380 U	**1500**
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	173 J	227 J	**1500**	**3100 D**	380 U	**1200**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	244 J	305 J	**2400**	**4100 D**	380 U	**1900**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 UJ	138 J	137 J	1400	2100 D	380 UJ	390 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	92.4 J	102 J	**1100**	**1500 D**	380 U	750
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	349 U	369 U	390 U	720 U	380 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	349 U	369 U	390 U	720 U	380 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	349 UJ	369 UJ	390 U	720 U	380 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	349 U	NR	390 U	720 U	380 U	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 UJ	23.4 J	24.4 J	78 J	720 U	47 J	100 J
CHRYSENE	UG/KG	500000	9000	40000	420 U	192 J	250 J	2000	4000 D	41 J	1200
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	120 U	349 U	50.2 J	4400 B	2200 BD	73 J	83 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M9-5-02 5/18/2000 0 - 2 ft.	SB-M9-8151-02 7/13/2000 0 - 1.25 ft.	SB-M9-8151-03 9/27/2000 0 - 1.5 ft.	SB-N8-2304-01 5/25/2000 0 - 1 ft.	SB-N8-2304-05 5/25/2000 0 - 1 ft.	SB-N9-2195-02 5/23/2000 0 - 1.5 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 UJ	349 U	369 U	430	590 JD	380 U	140 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	349 U	369 U	220 J	120 JD	380 U	32 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	480	639	2900	6500 D	75 J	2700
FLUORENE	UG/KG	100000	2300000	10000000	420 U	349 U	369 U	140 J	220 JD	380 U	150 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	NR	369 U	390 U	720 U	380 U	360 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	349 UJ	369 U	390 U	720 U	380 UJ	360 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	349 U	369 UJ	390 U	720 U	380 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	127 J	134 J	**1200**	**1700 D**	380 U	420
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	21.6 J	369 U	390 U	720 U	380 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	349 UJ	369 U	390 U	720 U	380 U	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 UJ	NR	369 U	620	310 JD	380 U	1100
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	697 U	738 U	780 U	1400 U	760 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	166 J	385	1700	2800 D	38 J	1300
PHENOL	UG/KG	50000	10000000	10000000	420 U	349 U	369 U	390 U	720 U	380 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	420 UJ	414	561	3900	6800 D	380 U	2400

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-2260-01 7/13/2000 0 - 1 ft.	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	SB-N9-2267-05 6/15/2000 0 - 2 ft.	SB-N9-2269-04 5/25/2000 0 - 1.5 ft.	SB-N9-3-04 8/2/2000 0 - 1 ft.	SB-N9-3-05 5/25/2000 0 - 1 ft.	SB-N9-B4-01 9/12/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	351 U	386 U	361 U	740 U	426 U	440 U	369 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 U	440 U	369 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	386 U	361 U	NR	NR	NR	369 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	701 U	772 U	722 U	1500 U	853 U	890 U	739 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**51.2 J**	**63.7 J**	**1141.9 J**	740 U	426 U	440 U	369 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 U	440 U	369 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	351 U	386 U	361 U	740 U	426 U	440 U	369 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	386 U	361 U	740 U	NR	440 U	369 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	701 U	772 U	722 U	1500 U	853 UJ	890 U	739 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	701 U	772 U	722 U	1500 U	853 UJ	890 U	739 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 U	440 U	369 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	772 U	722 U	1500 U	NR	890 U	739 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	91.5 J	386 U	361 U	740 U	426 U	440 U	369 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	351 U	24.3 J	53.8 J	59 JD	426 U	440 U	369 U
ANTHRACENE	UG/KG	100000	10000000	10000000	426	56.7 J	91.7 J	160 JD	426 UJ	440 U	369 U
BENZIDINE	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 UJ	426 UJ	440 UJ	369 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**1920**	202 J	330 J	720 JD	156 J	39 J	93.5 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**1840**	215 J	279 J	**690 JD**	121 J	39 J	82.4 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**2560**	427	385	**1100 D**	253 J	440 U	137 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	1450	172 J	198 J	430 JD	97 J	440 U	369 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**965**	182 J	151 J	400 JD	101 J	440 U	369 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	351 U	NR	NR	740 U	426 U	440 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	44.2 J	101 J	36.1 J	190 JD	426 UJ	24 J	21.1 J
CHRYSENE	UG/KG	500000	9000	40000	2190	221 J	380	730 JD	222 J	55 J	126 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	262 J	80900	87.3 J	12000 BD	208 J	130 U	369 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-2260-01 7/13/2000 0 - 1 ft.	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	SB-N9-2267-05 6/15/2000 0 - 2 ft.	SB-N9-2269-04 5/25/2000 0 - 1.5 ft.	SB-N9-3-04 8/2/2000 0 - 1 ft.	SB-N9-3-05 5/25/2000 0 - 1 ft.	SB-N9-B4-01 9/12/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	417	386 U	54.1 J	740 U	426 UJ	440 U	369 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	351 U	86 J	361 U	76 JD	426 U	440 U	369 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3560	387	555	1600 D	322 J	110 J	298 J
FLUORENE	UG/KG	100000	2300000	10000000	176 J	386 U	361 U	74 JD	426 U	440 U	369 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	386 U	361 U	740 U	NR	440 U	369 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	351 U	386 U	361 U	740 U	426 U	440 U	369 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1340**	152 J	167 J	440 JD	83 J	440 U	369 U
ISOPHORONE	UG/KG	50000	1100000	10000000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	**793**	386 U	361 U	740 U	426 UJ	440 U	369 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	19900	2010	1900 D	2210 J	440 U	54.3 J
NAPHTHALENE	UG/KG	100000	230000	4200000	351 U	386 U	361 U	740 U	426 U	440 U	369 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	701 U	772 U	722 U	1500 U	853 UJ	890 U	739 U
PHENANTHRENE	UG/KG	NA	NA	NA	2450	155 J	230 J	730 JD	156 J	60 J	130 J
PHENOL	UG/KG	50000	10000000	10000000	351 U	386 U	361 U	740 U	426 UJ	440 U	369 U
PYRENE	UG/KG	100000	1700000	10000000	5660	414	754	1200 D	296 J	440 U	228 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-B4-04 5/26/2000 0 - 2 ft.	SB-N9-B4-11-03 9/12/2000 0 - 1.5 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-01 9/12/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.	SB-O7-2271-02 9/12/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	342 UJ	360 U	382 UJ	390 U	373 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	342 U	NR	382 U	NR	373 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 UJ	342 U	360 U	382 U	390 U	373 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	342 U	NR	382 U	NR	373 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	342 UJ	360 U	382 UJ	390 U	373 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	342 U	NR	382 U	NR	373 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	342 U	360 U	382 U	390 U	373 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	342 U	360 U	382 U	390 U	373 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	410 U	684 U	360 U	764 U	390 U	745 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	342 U	360 U	382 U	390 U	373 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	342 UJ	360 U	382 UJ	390 U	373 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	342 U	NR	382 U	NR	373 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	684 U	NR	764 U	NR	745 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	684 U	720 U	764 U	780 U	745 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	684 UJ	NR	764 UJ	NR	745 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	342 UJ	360 U	382 UJ	390 U	373 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
ANTHRACENE	UG/KG	100000	10000000	10000000	33.7 J	342 U	360 U	382 U	390 U	373 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	186 J	342 U	360 U	46.2 J	390 U	373 U
BENZO(a)PYRENE	UG/KG	100000	660	660	170 J	342 U	360 U	45.5 J	390 U	373 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	233 J	342 U	360 U	382 U	390 U	373 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	342 U	360 U	382 U	390 U	373 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	342 U	360 U	382 U	390 U	373 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	342 U	360 U	382 U	390 U	373 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	NR	360 U	NR	390 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	778	342 U	121 J	382 U	390 U	19.4 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	342 U	360 U	67.6 J	390 U	373 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	80.1 J	360 U	81 J	390 U	373 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	342 U	360 U	382 U	390 U	373 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-B4-04 5/26/2000 0 - 2 ft.	SB-N9-B4-11-03 9/12/2000 0 - 1.5 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-01 9/12/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.	SB-O7-2271-02 9/12/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	342 U	360 U	382 U	390 U	373 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	480	342 U	360 U	142 J	390 U	373 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	342 U	360 U	382 U	390 U	373 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	342 U	360 U	382 U	390 U	373 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 UJ	342 UJ	360 U	382 UJ	390 U	373 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	342 U	360 U	382 U	390 U	373 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	342 U	360 U	382 U	390 U	373 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 UJ	342 U	360 U	382 U	390 U	373 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	342 UJ	360 UJ	382 UJ	390 UJ	373 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 UJ	342 U	360 U	382 U	390 U	373 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	342 U	95.28 J	382 U	390 U	373 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	342 U	NR	382 U	NR	373 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	684 U	720 U	764 U	780 U	745 U
PHENANTHRENE	UG/KG	NA	NA	NA	178 J	342 U	360 U	74.5 J	390 U	373 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	342 U	360 U	382 U	390 U	373 U
PYRENE	UG/KG	100000	1700000	10000000	371 J	342 UJ	360 U	144 J	390 U	373 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2247-04 5/16/2000 0 - 1.5 ft.	SB-O8-2247-05 5/16/2000 0 - 1 ft.	SB-O8-2252-01 7/25/2000 0 - 1 ft.	SB-O8-2252-02 5/16/2000 0 - 2 ft.	SB-O8-2268-01 9/12/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 UJ	370 U	360 U	371 U	380 U	344 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	370 U	360 U	371 U	380 U	344 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	370 U	360 U	371 U	380 U	344 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	371 U	NR	344 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 UJ	370 U	360 U	371 U	380 U	344 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 UJ	370 U	360 U	371 U	380 U	344 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	390 UJ	730 U	720 U	741 U	760 U	687 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 UJ	370 UJ	360 UJ	371 U	380 UJ	344 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 UJ	370 U	360 U	371 U	380 U	344 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	370 U	360 U	371 U	380 U	344 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	730 U	720 U	741 U	760 U	687 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 UJ	730 UJ	720 UJ	741 U	760 UJ	687 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	730 UJ	720 UJ	741 U	760 UJ	687 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	370 UJ	360 UJ	371 U	380 UJ	344 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 UJ	370 U	78 J	58.9 J	52 J	344 U
BENZO(a)PYRENE	UG/KG	100000	660	660	390 UJ	370 U	51 J	48.9 J	45 J	344 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 UJ	370 U	72 J	371 U	380 U	344 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 UJ	370 U	360 U	371 U	380 U	344 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	370 U	360 U	371 U	380 U	344 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 UJ	370 U	360 U	NR	380 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 UJ	29 J	49 J	34.5 J	33 J	344 U
CHRYSENE	UG/KG	500000	9000	40000	390 UJ	370 U	71 J	66 J	48 J	344 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 UJ	370 U	83 J	371 U	380 U	344 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	370 UJ	360 UJ	371 U	380 UJ	344 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2247-04 5/16/2000 0 - 1.5 ft.	SB-O8-2247-05 5/16/2000 0 - 1 ft.	SB-O8-2252-01 7/25/2000 0 - 1 ft.	SB-O8-2252-02 5/16/2000 0 - 2 ft.	SB-O8-2268-01 9/12/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	370 U	360 U	371 U	380 U	344 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 UJ	370 U	120 J	104 J	380 U	344 U
FLUORENE	UG/KG	100000	2300000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	370 U	360 U	371 U	380 U	344 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 UJ	370 U	360 U	371 U	380 U	344 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	370 U	360 U	371 U	380 U	344 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 UJ	370 U	360 U	371 U	380 U	344 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 UJ	370 U	360 U	371 U	380 U	344 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 UJ	370 U	360 U	371 U	380 U	344 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	370 U	360 U	371 U	380 U	344 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 UJ	370 U	360 U	52.6 J	380 U	344 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	370 U	360 U	371 U	380 U	344 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 UJ	79 J	720 U	741 U	760 U	687 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 UJ	22 J	92 J	51.2 J	47 J	344 U
PHENOL	UG/KG	50000	10000000	10000000	390 UJ	370 U	360 U	371 U	380 U	344 U
PYRENE	UG/KG	100000	1700000	10000000	390 UJ	370 U	170 J	126 J	100 J	344 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	SB-O8-2274-01 5/16/2000 0 - 2 ft.	SB-O8-4-01 7/25/2000 0 - 1 ft.	SB-O8-4-02 5/16/2000 0 - 0.5 ft.	TP-I11-6-01 8/2/2000 7.5 - 9.5 ft.	TP-I11-8504-07 8/17/2000 3 - 5.0 ft.	TP-J11-11-01 8/2/2000 7.5 - 9.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	370 U	373 U	370 U	370 U	387 U	388 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	370 U	373 U	370 U	370 U	387 U	388 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	370 U	373 U	370 U	370 U	387 U	388 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	373 U	NR	NR	NR	388 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	750 U	745 U	740 U	741 U	774 U	776 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	370 U	373 U	370 UJ	370 U	387 U	388 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	370 U	373 U	370 U	NR	NR	388 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	750 U	745 U	740 U	741 U	774 UJ	776 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	750 U	745 U	740 UJ	741 U	774 U	776 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	370 U	373 U	370 U	370 U	387 U	388 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	370 U	373 U	370 U	370 U	387 U	388 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	750 U	17.5 J	740 UJ	NR	NR	776 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	710	373 U	370 U	370 U	387 U	388 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	400	373 U	370 U	370 U	387 U	388 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	2400	373 U	52 J	370 U	387 U	388 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	370 U	373 U	370 UJ	370 UJ	387 U	388 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	**7200**	140 J	210 J	370 U	103 J	71.1 J
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	**4300**	88.3 J	150 J	370 U	115 J	64.5 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	**5100**	108 J	190 J	370 U	159 J	92 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	3200	373 U	91 J	370 U	123 J	388 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	**1300**	373 U	370 U	370 U	103 J	388 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	370 U	373 U	370 U	370 U	387 UJ	388 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	370 U	373 U	370 U	370 U	387 U	388 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	370 U	NR	370 U	370 U	387 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	21.76 J	370 U	373 U	26 J	370 U	65 J	388 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	5200	129 J	180 J	370 U	107 J	80.8 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	370 U	142 J	370 U	370 U	182 J	388 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	370 U	373 U	370 UJ	370 U	387 UJ	388 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	SB-O8-2274-01 5/16/2000 0 - 2 ft.	SB-O8-4-01 7/25/2000 0 - 1 ft.	SB-O8-4-02 5/16/2000 0 - 0.5 ft.	TP-I11-6-01 8/2/2000 7.5 - 9.5 ft.	TP-I11-8504-07 8/17/2000 3 - 5.0 ft.	TP-J11-11-01 8/2/2000 7.5 - 9.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	370 U	373 U	370 U	370 U	387 UJ	388 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	5200	243 J	310 J	370 U	133 J	145 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	1500	373 U	370 U	370 U	387 U	388 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	370 U	373 U	370 U	NR	NR	388 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	370 U	373 U	370 U	370 U	387 U	388 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	**2800**	373 U	76 J	370 U	99.1 J	388 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 UJ	370 U	373 U	370 U	370 U	387 U	388 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 UJ	370 U	373 U	370 U	370 U	140 J	388 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	370 U	373 U	370 U	370 UJ	387 U	388 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	370 U	373 U	370 U	370 U	NR	388 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	210 J	373 U	370 U	370 U	387 U	388 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	750 U	745 U	740 U	741 U	774 U	776 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	13000	258 J	210 J	370 U	59.6 J	76.1 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	370 U	373 U	370 U	370 U	387 U	388 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	16000	300 J	470	370 U	216 J	168 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-J11-2188-09 8/3/2000 4 - 6.0 ft.	TP-J11-2188-10 8/3/2000 4 - 6.0 ft.	TP-J11-2188-11 8/3/2000 4.5 - 6.5 ft.	TP-J11-8570-05 8/3/2000 9.5 - 11.5 ft.	TP-K11-2225A-01 8/3/2000 7 - 9.0 ft.	TP-K11-2300-07 8/3/2000 7.5 - 9.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	398 U	406 U	407 U	388 U	390 U	404 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	398 U	406 U	407 U	388 U	390 U	404 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	398 U	406 U	407 U	388 U	390 U	404 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	797 U	811 U	815 U	777 U	779 U	808 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**72.5 J**	**135 J**	407 U	388 U	390 U	404 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	398 U	406 U	407 U	388 U	390 U	404 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	797 U	811 U	815 U	777 U	779 U	808 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	797 U	811 U	815 U	777 U	779 U	808 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
ANTHRACENE	UG/KG	100000	10000000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
BENZIDINE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	398 UJ	406 U	407 U	388 U	69.7 J	404 U
BENZO(a)PYRENE	UG/KG	100000	660	660	398 UJ	406 U	407 U	388 U	74 J	404 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	398 UJ	406 U	183 J	388 U	120 J	404 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	398 UJ	406 U	407 U	388 U	390 U	404 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	398 UJ	406 U	86.8 J	388 U	390 U	404 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	398 U	406 U	407 U	388 U	390 U	404 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	206 J	406 U	407 U	44.7 J	390 U	404 U
CHRYSENE	UG/KG	500000	9000	40000	398 U	406 U	407 U	388 U	75.6 J	404 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	5630	1000	1510	167 J	130 J	404 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-J11-2188-09 8/3/2000 4 - 6.0 ft.	TP-J11-2188-10 8/3/2000 4 - 6.0 ft.	TP-J11-2188-11 8/3/2000 4.5 - 6.5 ft.	TP-J11-8570-05 8/3/2000 9.5 - 11.5 ft.	TP-K11-2225A-01 8/3/2000 7 - 9.0 ft.	TP-K11-2300-07 8/3/2000 7.5 - 9.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	398 UJ	406 U	407 U	388 U	390 U	404 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	398 U	406 U	407 U	388 U	108 J	404 U
FLUORENE	UG/KG	100000	2300000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	398 U	406 U	407 U	388 U	390 U	404 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	398 U	406 U	407 U	388 U	390 U	404 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	398 UJ	406 UJ	407 UJ	388 UJ	390 UJ	404 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	398 U	406 U	407 U	388 U	390 U	404 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	398 UJ	406 U	407 U	388 U	390 U	404 U
ISOPHORONE	UG/KG	50000	1100000	10000000	398 U	406 U	407 U	388 U	390 U	404 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	398 U	406 U	407 U	388 U	390 U	404 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2060	1080	684	45.8 J	390 U	404 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	NR	NR	NR	NR	NR
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	797 U	811 U	815 U	777 U	779 U	808 U
PHENANTHRENE	UG/KG	NA	NA	NA	398 U	406 U	407 U	388 U	390 U	404 U
PHENOL	UG/KG	50000	10000000	10000000	398 U	406 U	407 U	388 U	390 U	404 UJ
PYRENE	UG/KG	100000	1700000	10000000	398 U	406 U	407 U	388 U	92.3 J	404 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-L10-1A-01 8/2/2000 5 - 7.0 ft.	TP-L11-2089-06 8/2/2000 9 - 11.0 ft.
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	362 U	383 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	362 U	383 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	362 U	383 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	362 U	383 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	362 U	383 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	362 U	383 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	362 U	383 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	362 U	383 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	724 U	767 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	362 U	**795 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	362 U	383 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	362 U	383 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	724 U	767 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	724 U	767 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	362 U	383 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	362 U	383 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	362 U	383 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	362 U	438
ACENAPHTHYLENE	UG/KG	NA	NA	NA	362 U	383 U
ANTHRACENE	UG/KG	100000	10000000	10000000	362 U	1340
BENZIDINE	UG/KG	NA	NA	NA	362 UJ	383 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	362 U	**2540**
BENZO(a)PYRENE	UG/KG	100000	660	660	362 U	**2000**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	362 U	**2710**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	362 U	1140
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	362 U	861
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	362 U	383 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	362 U	383 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	362 U	383 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	362 U	383 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	362 U	383 U
CHRYSENE	UG/KG	500000	9000	40000	362 U	2080
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	362 U	814
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	362 U	383 U

Table 5-8B

Analytical Results
B-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-L10-1A-01 8/2/2000 5 - 7.0 ft.	TP-L11-2089-06 8/2/2000 9 - 11.0 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	362 U	383 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	362 U	94 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	362 U	383 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	362 U	5240
FLUORENE	UG/KG	100000	2300000	10000000	362 U	836
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	362 U	383 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	362 U	383 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	362 U	383 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	362 U	**1100**
ISOPHORONE	UG/KG	50000	1100000	10000000	362 U	383 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	362 U	383 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	362 UJ	383 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	362 U	432
NAPHTHALENE	UG/KG	100000	230000	4200000	362 U	50 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	724 U	767 U
PHENANTHRENE	UG/KG	NA	NA	NA	362 U	4380
PHENOL	UG/KG	50000	10000000	10000000	362 U	383 U
PYRENE	UG/KG	100000	1700000	10000000	90 J	4160 J

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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 5/25/2000 0 - 1 ft.	SB-I11-1-03 7/19/2000 0 - 1 ft.	SB-I11-7-01 8/2/2000 0 - 1 ft.	SB-I11-7-03 5/25/2000 0 - 2 ft.	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8260-02 7/19/2000 0 - 1 ft.	SB-I11-8260-03 8/2/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	238 U	178 U	250 U	NR	238 U	208 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	238 U	178 U	250 U	NR	238 U	208 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	238 U	178 U	250 U	NR	**336**	208 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	238 U	178 U	250 U	NR	238 U	208 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	238 U	178 U	250 U	NR	238 U	208 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476 U	357 U	500 U	NR	476 U	416 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	476 U	357 U	500 U	NR	476 U	416 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	238 U	178 U	250 U	NR	238 U	208 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476 U	357 U	500 U	NR	476 U	416 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	476 U	357 U	500 U	NR	476 U	416 U
NITROBENZENE	UG/KG	10000	39000	510000	410 UJ	238 U	67 R	250 U	4400 U	238 U	108 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	125	207 J	346	NR	2480	283 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	**56300**	5520 U	6900 U	NR	**157000**	4860 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	476 U	357 U	500 U	NR	476 U	416 U
TETRYL	UG/KG	NA	780000	10000000	NR	476 U	357 U	500 U	NR	476 U	416 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I11-8504-04 6/2/2000 0 - 1 ft.	SB-I11-8504-06 6/2/2000 0 - 0.5 ft.	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-I12-8101-01 5/25/2000 0 - 1 ft.	SB-I12-8101-02 8/2/2000 0 - 1 ft.	SB-J10-2187-01 9/12/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	250 U	227 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	250 U	227 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	240 U	250 U	227 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	250 U	227 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	250 U	227 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	490 U	490 U	454 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	490 U	490 U	454 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	250 U	227 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	250 U	250 U	490 U	490 U	454 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	490 U	490 U	454 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	4330 U	126 R	130 R	240 U	250 U	227 U	372 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	231 J	359 J	8360	118	250 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	3690 J	6550 U	6700 U	6400 U	21600	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	490 U	490 U	454 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 R	500 R	490 U	490 U	454 U	NR

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-2187-05 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.	SB-J10-6-01 5/25/2000 0 - 1.25 ft.	SB-J10-6-01 7/19/2000 0 - 1.25 ft.	SB-J10-6-05 5/25/2000 0 - 2 ft.	SB-J10-609-01 8/2/2000 0 - 1.5 ft.	SB-J10-609-02 5/18/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	217 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	217 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	217 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	217 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	217 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	435 U	NR	462 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	435 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	217 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	435 U	NR	925 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	435 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	420 U	390 U	217 U	410 U	462 UJ	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	49.3	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	5650 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	435 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	435 U	NR	NR	NR

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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-8280-01 5/25/2000 0 - 1 ft.	SB-J11-1-01 5/18/2000 0 - 1 ft.	SB-J11-1-02 5/18/2000 0 - 1 ft.	SB-J11-1-03 8/1/2000 0 - 1.5 ft.	SB-J11-1-04 8/1/2000 0 - 1.5 ft.	SB-J11-1-05 8/1/2000 0 - 1 ft.	SB-J11-1-06 8/1/2000 0 - 1.5 ft.	SB-J11-1-07 5/18/2000 0 - 1.25 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	NR	NR	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	NR	NR	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	490 R	NR	NR	NR	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	NR	NR	NR	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	NR	NR	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	490 U	500 U	500 U	433 U	494 U	408 U	434 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	490 U	500 U	500 U	NR	NR	NR	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	NR	NR	NR	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	490 U	500 U	500 U	866 U	989 U	816 U	867 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	490 U	500 U	500 U	NR	NR	NR	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	433 U	494 U	408 U	434 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	42.9 U	1510	2820	NR	NR	NR	NR	285
NITROGLYCERIN	UG/KG	NA	46000	200000	6000 U	10000	**46000**	NR	NR	NR	NR	6400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	490 U	500 U	500 U	NR	NR	NR	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	490 U	500 U	500 U	NR	NR	NR	NR	480 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-08 8/1/2000 0 - 1 ft.	SB-J11-1-09 8/1/2000 0 - 1 ft.	SB-J11-1-10 8/1/2000 0 - 1.5 ft.	SB-J11-1-11 8/1/2000 0 - 1.5 ft.	SB-J11-1-12 8/1/2000 0 - 2 ft.	SB-J11-1-13 8/1/2000 0 - 1.5 ft.	SB-J11-1-14 5/18/2000 0 - 1.5 ft.	SB-J11-1-15 8/1/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	423 UJ	412 U	422 U	429 UJ	421 UJ	377 U	500 U	450 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	847 UJ	824 U	844 U	858 UJ	843 UJ	753 U	500 U	900 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	423 UJ	412 U	422 U	429 UJ	421 UJ	377 U	250 U	450 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	260	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	7600 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-1-16 8/1/2000 0 - 1 ft.	SB-J11-1-17 5/18/2000 0 - 1 ft.	SB-J11-1-18 8/1/2000 0 - 1 ft.	SB-J11-1-19 8/1/2000 0 - 2 ft.	SB-J11-1-20 8/1/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-14-01 8/1/2000 0 - 1 ft.	SB-J11-14-03 5/18/2000 0 - 1.25 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	240 U	NR	NR	NR	240 U	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	240 U	NR	NR	NR	240 U	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	240 U	NR	NR	NR	240 U	250 U	560 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	240 U	NR	NR	NR	**2200**	250 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	240 U	NR	NR	NR	240 U	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	453 U	480 U	403 U	378 U	428 U	480 U	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	480 U	NR	NR	NR	480 U	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	240 U	NR	NR	NR	240 U	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	906 U	480 U	805 U	756 U	857 U	480 U	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	480 U	NR	NR	210 J	480 U	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	453 U	240 U	403 U	378 U	428 U	240 U	250 U	120 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	521	NR	NR	NR	1380	336 J	1390
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	11000	NR	NR	NR	40000	5900 U	17000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	480 U	NR	NR	NR	480 U	500 U	480 U
TETRYL	UG/KG	NA	780000	10000000	NR	480 U	NR	NR	NR	480 U	500 U	480 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-06 5/23/2000 0 - 1.5 ft.	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.	SB-J11-2296-02 9/12/2000 0 - 1 ft.	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	240 U	NR	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	240 U	NR	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**180 J**	250 U	240 U	NR	**170 J**	1300 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**15000 J**	250 U	**2200**	NR	250 U	**990 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	240 U	NR	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	NR	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	480 U	NR	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	240 U	NR	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	NR	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	480 U	NR	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	250 J	250 U	270 R	360 U	250 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	8210	542	447	NR	271	6690
NITROGLYCERIN	UG/KG	NA	46000	200000	**51000**	3800 J	6200 U	NR	8000	**1100000 D**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	480 U	NR	500 U	480 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	480 U	NR	500 U	480 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-3-02 5/25/2000 0 - 1.5 ft.	SB-J11-317-01 5/23/2000 0 - 1.5 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-6-03 5/25/2000 0 - 1 ft.	SB-J11-602A-01 5/25/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	420 U	250 U	NR	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	NR	240 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**620 J**	NR	**300**	**650**	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	420 U	500 U	NR	480 U	500 U	500 U	490 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	840 U	500 U	NR	480 U	270 J	500 U	490 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	NR	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	840 U	500 U	NR	480 U	500 U	500 U	490 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	480 U	500 U	500 U	490 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	250 U	370 U	240 U	250 U	223 R	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	82.8	NR	185	80.8	138	109
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5400 U	NR	5500 U	5400 U	5700 U	11000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	480 U	500 U	500 U	490 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	480 U	500 U	500 U	490 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-7-01 5/25/2000 0 - 1 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.	SB-J11-8265A-03 5/18/2000 0 - 1 ft.	SB-J11-8570-01 5/25/2000 0 - 1 ft.	SB-J11-B20-02 5/18/2000 0 - 1.25 ft.	SB-J11-B25-01 9/12/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	230 U	240 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	230 U	240 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	**130 J**	230 U	247 R	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**370 J**	230 U	240 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	230 U	240 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	450 U	490 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	450 U	490 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	230 U	240 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	450 U	490 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	450 U	490 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	510 J	230 U	140 R	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	86.9	6240	375	552	59.2	397
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	7000 U	5500 U	4850 J	5400 U	5270 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	450 U	490 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	450 U	490 U	500 U	500 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-B25-02 5/25/2000 0 - 1.5 ft.	SB-J11-B83-01 5/18/2000 0 - 1.5 ft.	SB-J11-B83-03 8/1/2000 0 - 0.75 ft.	SB-J12-2-02 8/2/2000 0 - 1 ft.	SB-J12-2-03 5/23/2000 0 - 1.5 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-1-01 5/16/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	230 U	238 U	227 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	230 U	238 U	227 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	230 U	238 U	227 U	250 U	**42000**	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	270 R	230 U	238 U	227 U	250 U	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	230 U	238 U	227 U	250 U	360 R	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	450 U	476 U	454 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	450 U	476 U	454 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	230 U	238 U	227 U	250 U	130 J	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	450 U	476 U	454 U	500 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	450 U	476 U	454 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	230 U	134 R	227 U	250 U	250 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	57	15600	304 J	42.3 UJ	483	196	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5500 U	5700 U	6640 U	5730 U	7300 U	5600 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	450 U	476 U	454 U	500 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	450 U	476 U	454 U	500 U	500 U	NR

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-1-02 7/25/2000 0 - 2 ft.	SB-K10-2-02 5/25/2000 0 - 1.5 ft.	SB-K10-2-05 5/25/2000 0 - 1.5 ft.	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.	SB-K10-2090-04 5/16/2000 0 - 1.25 ft.	SB-K10-2090-07 5/16/2000 0 - 2 ft.	SB-K10-2090-08 5/16/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	5900 R	250 U	250 U	**250 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	230 R	250 U	**31000**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	490 U	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	490 U	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	490 U	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	490 U	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	3580 U	240 R	250 U	240 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1440	1170	8970	1090	59.9	2370
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6400 U	6500 U	**830000**	2900 J	5400 U	5500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	490 U	480 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	490 U	480 U	500 U	500 U	500 U

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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2197-04 8/1/2000 0 - 2 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	3700 R	300 R	**1200 J**	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	**800 J**	**1900 J**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	250 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	250 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	250 U	250 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.3 UJ	11600	1460	1730	340	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5640 U	**260000**	**120000**	**250000**	**310000**	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 U	500 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-3-02 5/16/2000 0 - 2 ft.	SB-K10-5-02 5/16/2000 0 - 1.5 ft.	SB-K10-5-04 5/16/2000 0 - 1 ft.	SB-K10-6-02 5/18/2000 0 - 1.5 ft.	SB-K10-6-04 5/18/2000 0 - 1 ft.	SB-K10-602B-02 8/1/2000 0 - 0.5 ft.	SB-K10-602B-03 5/18/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	NR	NR	227 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	NR	NR	227 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	NR	NR	227 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	NR	NR	227 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	NR	NR	227 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	455 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	NR	NR	455 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	NR	NR	227 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	455 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	NR	NR	455 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	360 U	370 U	390 U	390 U	227 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	159	NR	NR	NR	NR	140 J	91.3
NITROGLYCERIN	UG/KG	NA	46000	200000	6100 J	NR	NR	NR	NR	6710 U	6000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	NR	NR	455 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	455 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-79A-01 5/18/2000 0 - 1.25 ft.	SB-K10-79A-03 8/1/2000 0 - 1.5 ft.	SB-K11-1-04 5/18/2000 0 - 1 ft.	SB-K11-1-05 5/18/2000 0 - 1.25 ft.	SB-K11-2225B-02 5/12/2000 0 - 1.5 ft.	SB-K11-2225B-04 5/12/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	250 U	NR	140 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	250 U	NR	140 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	190 R	250 U	NR	1500 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	110 R	250 U	NR	140 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	250 U	NR	140 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	NR	290 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	500 U	NR	290 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	250 U	NR	140 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	NR	290 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	500 U	NR	290 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	439 U	250 U	250 U	370 U	210 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	380	42.1 U	NR	9310
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	9500	6000 U	NR	**74000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	500 U	NR	290 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	NR	290 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2264-03 8/1/2000 0 - 1 ft.	SB-K11-2264-04 5/18/2000 0 - 1.5 ft.	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2301-02 8/1/2000 0 - 1 ft.	SB-K11-2301-04 5/18/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	240 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	240 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	1900 R	4100 R	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	130 R	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	240 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	480 U	500 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	480 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	240 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	480 U	500 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	480 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	377 U	380 U	240 U	250 U	480 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	8130	13900	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	**470000 D**	**630000 D**	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	480 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	480 U	500 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2302-03 5/18/2000 0 - 1.5 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-598-02 7/25/2000 0 - 0.5 ft.	SB-K11-598-03 5/12/2000 0 - 1 ft.	SB-K11-601-01 5/12/2000 0 - 0.5 ft.	SB-K11-604-02 5/18/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	240 U	140 U	200 U	150 U	150 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	240 U	140 U	200 U	150 U	150 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	3700 R	110000 R	1900 R	200 U	150 U	150 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	240 U	380 R	200 U	150 U	150 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	240 U	140 U	200 U	150 U	150 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	480 U	270 U	400 U	290 U	300 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	480 U	270 U	400 U	290 U	300 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	240 U	140 U	200 U	150 U	150 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	480 U	270 U	400 U	290 U	300 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	480 U	270 U	400 UJ	290 U	300 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	240 U	280 J	158 R	150 U	150 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	6360	73900	3990	281 J	57.4	75.3	90.1
NITROGLYCERIN	UG/KG	NA	46000	200000	**810000 D**	**8600000 D**	**320000 D**	8580	6000 U	3300	11000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	480 U	270 U	400 UJ	290 U	300 U	500 U
TETRYL	UG/KG	NA	780000	10000000	480 U	270 R	270 U	400 U	290 U	300 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-K11-607-01 8/1/2000 0 - 2 ft.	SB-K11-607-02 5/18/2000 0 - 1.5 ft.	SB-K11-B2-01 5/18/2000 0 - 0.75 ft.	SB-K11-B2-03 8/1/2000 0 - 1 ft.	SB-K11-B3-01 7/25/2000 0 - 1 ft.	SB-K11-B3-02 5/12/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	227 U	250 U	NR	NR	NR	150 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	227 U	250 U	NR	NR	NR	150 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	266 R	227 U	250 U	NR	NR	NR	150 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	227 U	250 U	NR	NR	NR	150 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	227 U	250 U	NR	NR	NR	150 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	455 U	500 U	NR	NR	NR	290 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	455 U	500 U	NR	NR	NR	290 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	227 U	250 U	NR	NR	NR	150 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	455 U	500 U	NR	NR	NR	290 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	455 U	500 U	NR	NR	NR	290 U
NITROBENZENE	UG/KG	10000	39000	510000	262 J	227 U	250 U	370 U	387 U	386 U	150 U
NITROCELLULOSE	MG/KG	NA	NA	NA	486 J	37.4 UJ	36.6 U	NR	NR	NR	58.6
NITROGLYCERIN	UG/KG	NA	46000	200000	**81000**	5330 U	5000 J	NR	NR	NR	5300 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	455 U	500 U	NR	NR	NR	290 U
TETRYL	UG/KG	NA	780000	10000000	500 U	455 U	500 U	NR	NR	NR	290 U

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-1-01 8/1/2000 0 - 1 ft.	SB-K9-1-02 5/25/2000 0 - 1 ft.	SB-K9-4-01 8/1/2000 0 - 0.5 ft.	SB-K9-4-02 5/25/2000 0 - 1 ft.	SB-L10-1-02 5/16/2000 0 - 1.5 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.	SB-L10-2-02 5/18/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	NR	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	NR	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	NR	250 U	255 R	250 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	NR	NR	250 U	**13100 J**	110 R
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	NR	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	490 U	NR	NR	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	490 U	NR	NR	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	NR	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	490 U	NR	NR	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	490 U	NR	NR	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	380 U	370 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	43.7 UJ	83	NR	NR	38.7 U	83.2 J	101
NITROGLYCERIN	UG/KG	NA	46000	200000	6090 U	6400 U	NR	NR	5700 U	3600 J	8700
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	490 U	NR	NR	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	490 U	NR	NR	500 U	500 U	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2088-01 8/2/2000 0 - 1 ft.	SB-L10-2088-02 5/18/2000 0 - 1 ft.	SB-L10-2191-02 5/16/2000 0 - 1.5 ft.	SB-L10-2191-06 5/16/2000 0 - 1 ft.	SB-L10-2242-02 8/2/2000 0 - 1 ft.	SB-L10-2242-03 5/18/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1010 R	130 R	9800 R	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**406**	250 U	240 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	**367**	250 U	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	316 J	250 U	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	240 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	89 J	820	23200	37.7 U	40.2 J	89.3
NITROGLYCERIN	UG/KG	NA	46000	200000	11000	33000	**3900000 D**	5300 U	5140 U	5400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	17000 R	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	480 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2316-02 5/18/2000 0 - 1 ft.	SB-L10-4-02 7/25/2000 0 - 1 ft.	SB-L10-4-05 5/16/2000 0 - 1 ft.	SB-L10-6-01 8/2/2000 0 - 1 ft.	SB-L10-6-05 5/18/2000 0 - 2 ft.	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8210-03 5/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	227 U	240 U	238 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	227 U	240 U	238 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	227 U	240 U	**610**	250 U	250 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	227 U	240 U	238 U	250 U	**150 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	227 U	240 U	238 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	455 U	480 U	476 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	455 U	480 U	476 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	227 U	240 U	238 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	455 U	480 U	476 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	455 UJ	480 U	476 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	3500 U	227 UJ	240 U	238 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	181 J	44.8	39.8 J	45.4	71.4	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5140 U	5800 U	4850 U	3200 J	5500 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	455 UJ	480 U	476 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	455 U	480 U	476 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-8210-03 5/26/2000 0 - 1 ft.	SB-L10-8215-01 8/2/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.	SB-L10-B462-01 8/2/2000 0 - 1.25 ft.	SB-L10-B462-03 5/18/2000 0 - 1 ft.	SB-L11-1-04 5/18/2000 0 - 1 ft.	SB-L11-2-01 5/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	200 U	250 U	240 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	200 U	250 U	240 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	200 U	250 U	240 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**590**	200 U	250 U	**550**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	200 U	250 U	240 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	392 U	500 U	400 U	500 U	480 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	790 U	NR	500 U	400 U	500 U	480 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	200 U	250 U	240 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	790 U	784 UJ	500 U	400 U	500 U	480 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	400 U	500 U	480 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 U	392 U	250 U	200 U	250 U	240 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	852	NR	60.9	56.3 J	136	96.2	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5800 U	NR	5600 U	5360 U	7500	24000	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	400 U	500 U	480 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	400 U	500 U	480 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2089-01 5/18/2000 0 - 1 ft.	SB-L11-2089-05 5/18/2000 0 - 1 ft.	SB-L11-2091-02 5/18/2000 0 - 0.5 ft.	SB-L11-2091-05 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L11-2225-05 5/25/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**250 J**	**250 J**	NR	NR	**1700 J**	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**860**	**4500**	NR	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	370 U	380 U	250 U	210 J
NITROCELLULOSE	MG/KG	NA	NA	NA	80.7	108	NR	NR	433	128
NITROGLYCERIN	UG/KG	NA	46000	200000	27000	2800 J	NR	NR	6400 U	5400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	350 R	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2226-02 5/18/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.	SB-L8-1-01 7/13/2000 0 - 1 ft.	SB-L8-1-05 7/13/2000 0 - 1 ft.	SB-L9-1-02 5/12/2000 0 - 0.5 ft.	SB-L9-79B-01 5/25/2000 0 - 1.5 ft.	SB-L9-79B-03 9/13/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	130 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	NR	130 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	NR	NR	130 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**390**	NR	NR	130 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	NR	130 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	405 U	367 U	270 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	NR	270 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	NR	NR	130 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	810 U	734 U	270 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	NR	270 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	350 U	250 U	405 U	367 U	130 U	380 U	450 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	36.9 U	NR	NR	39.9 U	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	11000	405 U	367 U	5600 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	NR	270 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	270 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-1-02 5/18/2000 0 - 1.5 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.	SB-M10-2262-04 8/2/2000 0 - 1.5 ft.	SB-M10-2262-05 5/23/2000 0 - 1 ft.	SB-M10-2315-02 5/18/2000 0 - 1.5 ft.	SB-M10-4-02 5/25/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	227 U	200 U	230 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	227 U	200 U	230 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	**467**	200 U	230 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	227 U	200 U	230 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	227 U	200 U	230 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	454 U	400 U	450 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	454 U	400 U	450 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	227 U	200 U	230 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	454 U	400 U	450 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	454 U	400 U	450 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	4000 U	250 U	227 U	200 U	230 U	420 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	41.5 U	42.5 UJ	47.8 J	107	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5800 U	5640 U	4410 U	9200	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	454 U	400 U	450 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	454 U	400 U	450 U	NR	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-6-02 5/18/2000 0 - 2 ft.	SB-M10-7-02 5/18/2000 0 - 0.5 ft.	SB-M10-7-03 8/2/2000 0 - 1.5 ft.	SB-M10-724-01 5/18/2000 0 - 0.5 ft.	SB-M10-724-03 8/2/2000 0 - 1.5 ft.	SB-M10-B14-01 5/18/2000 0 - 1 ft.	SB-M10-B14-02 8/2/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	192 U	240 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	192 U	240 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	2600 R	**13400**	360 R	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	192 U	240 U	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	**626 J**	240 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	384 U	480 U	500 U	NR	398 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	384 U	480 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 U	743 J	240 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	384 U	480 U	500 U	NR	796 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	500 U	384 U	480 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	192 U	240 U	311	390 U	398 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	142	685	44.1 J	1140	121 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5500 J	**280000**	4980 U	**50000**	33400	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	384 U	480 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	384 U	480 U	500 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-3-02 5/25/2000 0 - 1 ft.	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M8-2196-03 5/12/2000 0 - 2 ft.	SB-M8-2196-07 5/12/2000 0 - 1.5 ft.	SB-M8-2196-08 5/12/2000 0 - 1.5 ft.	SB-M8-3-01 5/12/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	208 U	250 U	250 U	140 U	240 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	208 U	250 U	250 U	140 U	240 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	208 U	390 R	250 U	2000 R	240 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	208 U	140 R	250 U	140 U	240 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	208 U	250 U	250 U	140 U	240 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	416 U	500 U	500 U	290 U	480 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	416 U	500 U	500 U	290 U	480 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	208 U	250 U	250 U	140 U	240 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	416 U	500 U	500 U	290 U	480 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	416 U	500 U	500 U	290 U	480 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	208 U	250 U	250 U	140 U	240 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	80.9	133 J	273	37.4 U	124	36.5 U	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6300 U	7840 U	6100 U	5300 U	**370000 D**	5500 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	416 U	500 U	500 U	290 U	480 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	416 U	500 U	500 U	290 U	480 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M8-3-02 7/25/2000 0 - 1.25 ft.	SB-M9-2191-05 5/18/2000 0 - 1.25 ft.	SB-M9-2192-03 5/12/2000 0 - 1 ft.	SB-M9-2192-05 5/12/2000 0 - 1 ft.	SB-M9-2192-06 5/12/2000 0 - 2 ft.	SB-M9-2193-01 5/12/2000 0 - 1 ft.	SB-M9-2193-05 5/12/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	140 U	140 U	130 U	140 U	130 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	140 U	140 U	130 U	140 U	130 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	140 U	760 R	130 U	2000 R	130 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	**14000 J**	**2900 J**	130 U	480 R	**1000**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	140 U	140 U	130 U	140 U	130 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	270 U	280 U	270 U	290 U	260 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	270 U	280 U	270 U	290 U	260 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	140 U	140 U	130 U	140 U	130 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	270 U	280 U	270 U	290 U	260 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	270 U	280 U	270 U	290 U	260 U
NITROBENZENE	UG/KG	10000	39000	510000	369 U	250 U	140 U	140 U	130 U	140 U	130 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	293	38.4 U	71.4	37 U	563	60.1
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	11000	5400 U	**180000**	5200 U	**760000 D**	5400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	270 U	280 U	270 U	290 U	260 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	270 U	280 U	270 U	290 U	260 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M9-2193-06 5/12/2000 0 - 1 ft.	SB-M9-2251-03 5/25/2000 0 - 1 ft.	SB-M9-2254-03 5/12/2000 0 - 1 ft.	SB-M9-2261-01 5/18/2000 0 - 2 ft.	SB-M9-2261-02 8/2/2000 0 - 1 ft.	SB-M9-2292-01 5/18/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	130 U	NR	NR	250 U	227 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	NR	NR	250 U	227 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	NR	NR	140 R	227 U	6200 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	130 U	NR	NR	250 U	227 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	NR	NR	250 U	227 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	260 U	NR	NR	500 U	454 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	260 U	NR	NR	500 U	454 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	130 U	NR	NR	250 U	227 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	260 U	NR	NR	500 U	454 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	260 U	NR	NR	500 U	454 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	130 U	430 U	370 U	130 R	442 J	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38.8 U	NR	NR	70.6	75.4 J	93.8
NITROGLYCERIN	UG/KG	NA	46000	200000	5400 U	NR	NR	5300 U	5250 U	5100 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	260 U	NR	NR	500 U	454 U	480 U
TETRYL	UG/KG	NA	780000	10000000	260 U	NR	NR	500 U	454 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M9-2292-02 8/2/2000 0 - 1 ft.	SB-M9-3-01 5/18/2000 0 - 1.25 ft.	SB-M9-5-02 5/18/2000 0 - 2 ft.	SB-M9-8151-02 7/13/2000 0 - 1.25 ft.	SB-M9-8151-03 9/27/2000 0 - 1.5 ft.	SB-N8-2304-01 5/25/2000 0 - 1 ft.	SB-N8-2304-05 5/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227 U	330 R	250 U	250 U	100 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	454 U	500 U	500 U	500 U	200 U	500 U	490 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	454 U	500 U	500 U	500 U	200 U	500 U	490 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	454 U	500 U	500 U	500 U	200 U	500 U	490 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	454 U	500 U	500 U	500 U	200 U	500 U	490 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	250 U	250 U	250 U	100 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	42.4 J	56.7	42.3 U	36.2 U	35.6 U	872 J	579
NITROGLYCERIN	UG/KG	NA	46000	200000	4880 U	5000 U	6100 U	4870 U	5400 U	8400	2300 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	454 U	500 U	500 U	500 U	200 U	500 U	490 U
TETRYL	UG/KG	NA	780000	10000000	454 U	500 U	500 U	500 U	200 U	500 U	490 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-2195-02 5/23/2000 0 - 1.5 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.	SB-N9-2260-01 7/13/2000 0 - 1 ft.	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	SB-N9-2267-05 6/15/2000 0 - 2 ft.	SB-N9-2269-04 5/25/2000 0 - 1.5 ft.	SB-N9-3-04 8/2/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	250 U	250 U	250 U	172 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 U	250 U	250 U	250 U	172 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	250 U	**3750**	250 U	1300 R	172 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	250 U	250 U	250 U	172 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	250 U	250 U	250 U	172 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	500 U	344 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 U	500 U	500 U	500 U	344 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	250 U	250 U	250 U	172 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	500 U	344 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 U	500 U	500 U	500 U	344 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	177 J	250 U	250 U	172 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.8 U	79	130	14500	39.5	161	93.3 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	**54000**	4680 U	**552000**	5330 U	5600	6100 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 U	500 U	500 U	500 U	344 U
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 U	500 U	500 U	500 U	344 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-3-05 5/25/2000 0 - 1 ft.	SB-N9-B4-01 9/12/2000 0 - 1.5 ft.	SB-N9-B4-04 5/26/2000 0 - 2 ft.	SB-N9-B4-11-03 9/12/2000 0 - 1.5 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-01 9/12/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	410 U	250 U	240 U	238 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	250 U	240 U	238 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	250 U	240 U	238 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	250 U	240 U	238 U	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	250 U	240 U	238 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	410 U	500 U	490 U	476 U	490 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	810 U	500 U	490 U	476 U	490 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	250 U	240 U	238 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	810 U	500 U	490 U	476 U	490 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	500 U	490 U	476 U	490 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	369 U	410 UJ	250 U	240 U	238 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	51.5	NR	NR	29.5 U	22 J	40.2 U	38.6 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6600 U	NR	NR	4890 U	5400 U	5740 U	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	500 U	490 U	476 U	490 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	500 U	490 U	476 U	490 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2271-02 9/12/2000 0 - 2 ft.	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2247-04 5/16/2000 0 - 1.5 ft.	SB-O8-2247-05 5/16/2000 0 - 1 ft.	SB-O8-2252-01 7/25/2000 0 - 1 ft.	SB-O8-2252-02 5/16/2000 0 - 2 ft.	SB-O8-2268-01 9/12/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	250 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 U	250 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	250 U	250 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	250 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	250 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	490 U	500 U	500 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	490 U	500 U	500 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	250 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	490 U	500 U	500 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	490 U	500 U	500 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	240 J	371 U	380 U	344 U
NITROCELLULOSE	MG/KG	NA	NA	NA	33.6 U	28.1 J	38.8 U	278	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4970 U	5900 U	5500 U	4400 UJ	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	490 U	500 U	500 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	490 U	500 U	500 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	SB-O8-2274-01 5/16/2000 0 - 2 ft.	SB-O8-4-01 7/25/2000 0 - 1 ft.	SB-O8-4-02 5/16/2000 0 - 0.5 ft.	TP-I11-6-01 8/2/2000 7.5 - 9.5 ft.	TP-I11-8504-07 8/17/2000 3 - 5.0 ft.	TP-J11-11-01 8/2/2000 7.5 - 9.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	400 U	250 U	238 U	240 U	NR	208 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	238 U	240 U	NR	208 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	238 U	240 U	NR	208 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	238 U	240 U	NR	208 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	238 U	240 U	NR	208 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	400 U	500 U	476 U	480 U	370 U	417 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	790 U	500 U	476 U	480 U	NR	417 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	238 U	240 U	NR	208 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	790 U	500 U	476 U	480 U	741 U	417 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	476 UJ	480 U	NR	417 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	400 UJ	250 U	238 UJ	240 U	370 U	208 U	388 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	39.9 U	51.9 J	39.6 U	NR	80.6	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5600 U	5590 U	5600 U	NR	5400 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	476 UJ	480 U	NR	417 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	476 U	480 U	NR	417 U	NR

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-J11-2188-09 8/3/2000 4 - 6.0 ft.	TP-J11-2188-10 8/3/2000 4 - 6.0 ft.	TP-J11-2188-11 8/3/2000 4.5 - 6.5 ft.	TP-J11-8570-05 8/3/2000 9.5 - 11.5 ft.	TP-K11-2225A-01 8/3/2000 7 - 9 ft.	TP-K11-2300-07 8/3/2000 7.5 - 9.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	227 U	238 U	250 U	227 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	227 U	238 U	250 U	227 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	711 R	892 R	68.5 R	250 U	227 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**533 J**	768 R	238 UJ	250 UJ	227 UJ	250 UJ
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	227 U	238 U	250 U	227 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	455 U	476 U	500 U	455 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	455 U	476 U	500 U	455 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	227 U	238 U	250 U	227 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	455 U	476 U	500 U	455 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	455 U	476 U	500 U	455 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	61 R	93.9 R	160 R	250 U	227 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	1490	1840	1370	41.3 U	216	35.4 U
NITROGLYCERIN	UG/KG	NA	46000	200000	39800	**167000**	19000	5420 U	5560 U	6060 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	455 U	476 U	500 U	455 U	500 U
TETRYL	UG/KG	NA	780000	10000000	476 UJ	455 UJ	476 UJ	500 UJ	455 UJ	500 UJ

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8C

Analytical Results
B-Line Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-L10-1A-01 8/2/2000 5 - 7.0 ft.	TP-L11-2089-06 8/2/2000 9 - 11.0 ft.
Energetics & Explosives						
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	**387**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**716 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	362 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	724 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	362 U	84 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	43.3 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	13000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	476 U
TETRYL	UG/KG	NA	780000	10000000	NR	476 U

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-8D

Analytical Results
B-Line Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-5-01 5/18/2000 0 - 1.25 ft.	SB-L10-8521-01 5/18/2000 0 - 2 ft.	SB-L10-8521-02 5/18/2000 0 - 2 ft.	SB-L10-8521-03 5/18/2000 0 - 1.5 ft.	SB-L9-3-01 5/16/2000 0 - 1.5 ft.	SB-M10-2-01 5/18/2000 0 - 2 ft.	SB-M10-8-01 5/25/2000 0 - 2 ft.	SB-N9-1-01 9/13/2000 0 - 1 ft.
Polychlorinated Biphenyls												
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	19 U	20 U	22 U	21 U	21 U	17 U	20 U	39.9 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	37 U	40 U	43 U	42 U	41 U	34 U	40 U	79.9 U
TOTAL PCBS	UG/KG	50000	490	2000	37 U	40 U	43 U	42 U	41 U	34 U	40 U	79.9 U

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-1-03 5/25/2000 0 - 1 ft.	SB-I11-7-01 8/2/2000 0 - 1 ft.	SB-I11-7-03 5/25/2000 0 - 2 ft.	SB-I11-8260-02 5/25/2000 0 - 1 ft.	SB-I11-8260-03 8/2/2000 0 - 1.25 ft.	SB-I11-8504-03 6/2/2000 0 - 1 ft.	SB-I11-8504-04 6/2/2000 0 - 1 ft.	SB-I11-8504-06 6/2/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.71 U	0.578 U	0.76 U	0.77 U	0.696 U	0.696 J	0.66 UJ	0.763 UJ
ARSENIC	MG/KG	NA	20	20	6.9	10.6	8	6.7	17.1	16.3	**28.1**	**227**
BERYLLIUM	MG/KG	NA	2	2	0.36	0.274	0.2	0.36	0.303	0.464	0.421	0.466
CADMIUM	MG/KG	NA	39	100	1.3	0.475	0.29 U	1.6	0.475	3.28	0.866	0.287 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	29.9	14.9	8.9	110	17.2	38.4	26.1	13.4
COPPER	MG/KG	NA	600	600	60.5	17.1	19	58.7	36	486	110	31.7
LEAD	MG/KG	NA	400	600	133	46	43.2	**924**	141	**1030**	**465**	51
MERCURY	MG/KG	NA	14	270	0.28	0.243 U	0.14	0.72	0.379 U	2.2 J	1.09 J	0.422 J
NICKEL	MG/KG	NA	250	2400	15.3	10.7	9.7	19.8	9.97	20	10.5	11.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.68	1.04	1.6	0.39 B	1.73	2.82	1.89	11.5
SILVER	MG/KG	NA	110	4100	0.13 B	0.289 U	0.12 B	0.28 B	0.587	0.837	0.33 U	0.243 J
THALLIUM	MG/KG	NA	2	2	1.2 U	0.964 U	1.3 U	1.3 U	1.16 U	**2.87**	1.29	**3.58**
ZINC	MG/KG	NA	1500	1500	280 J	40.2	16.1 J	705 J	192	**2120**	338	72.7

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-4-01 5/25/2000 0 - 2 ft.	SB-I12-8101-01 5/25/2000 0 - 1 ft.	SB-I12-8101-02 8/2/2000 0 - 1 ft.	SB-J10-2187-01 9/12/2000 0 - 1 ft.	SB-J10-2187-05 5/25/2000 0 - 1 ft.	SB-J10-5-01 5/25/2000 0 - 2 ft.	SB-J10-609-01 8/2/2000 0 - 1.5 ft.	SB-J10-609-02 5/18/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	3.8 U	0.74 U	0.503 U	0.638 U	0.67 UN	2.7 N	0.436 J	0.72 U
ARSENIC	MG/KG	NA	20	20	**24.3**	4.9	6	5.55	10.3	**53.4**	4.72	6.9 J
BERYLLIUM	MG/KG	NA	2	2	0.43 B	0.44	0.325	0.702	0.63	0.34	0.807	0.67
CADMIUM	MG/KG	NA	39	100	1.9 U	0.45	0.413	0.897 U	0.33 U	0.37 U	0.437	0.05 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	39.2	14.2	17.9	25	21.8	25.6	19.6	24.5 J
COPPER	MG/KG	NA	600	600	112	23.4	23.6	18.3 H	13.1	54.1	10	13.3 J
LEAD	MG/KG	NA	400	600	222	41.3	40.5	41 H	16.6	280	20.6	29.5
MERCURY	MG/KG	NA	14	270	0.23	0.1	0.06 U	0.144	0.05	0.21	0.122 U	0.07
NICKEL	MG/KG	NA	250	2400	215	9.5	10.5	15.4	12.6	12.4	11.2	12.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.4 B	0.83	0.824	1.52	0.55 UN	0.58 BN	0.536 J	0.63 N
SILVER	MG/KG	NA	110	4100	1.9 U	0.08 B	0.251 U	0.319 U	0.33 U	0.37 U	0.378 U	0.36 U
THALLIUM	MG/KG	NA	2	2	**7.2**	1.2 U	0.838 U	1.06 U	**2**	**2.5**	1.262 U	0.62 B
ZINC	MG/KG	NA	1500	1500	277 J	183 J	88.6	148 H	76 J	195 J	75.1	61.8 N

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-8280-01 5/25/2000 0 - 1 ft.	SB-J11-10-05 5/18/2000 0 - 1.5 ft.	SB-J11-14-01 8/1/2000 0 - 1 ft.	SB-J11-14-03 5/18/2000 0 - 1.25 ft.	SB-J11-2188-03 5/23/2000 0 - 1.25 ft.	SB-J11-2188-06 5/23/2000 0 - 1.5 ft.	SB-J11-2188-08 5/23/2000 0 - 1.25 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.72 UN	0.67 U	0.694 UJ	0.63 U	0.7 UN	0.91 N	0.73 UN
ARSENIC	MG/KG	NA	20	20	**22.1**	5.2 J	3.14	3.2 J	**20.6 N**	4.8 N	6.6 N
BERYLLIUM	MG/KG	NA	2	2	0.61	0.46	0.498	0.45	0.5	0.4	0.49
CADMIUM	MG/KG	NA	39	100	0.36 U	0.42	0.102 U	0.22 B	1.2	0.27 B	0.3 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.9	45.3 J	12.7	20 J	17.3	11.9	18.1
COPPER	MG/KG	NA	600	600	16.5	25.5 J	22.8	33.8 J	106 J	57.5 J	60.1 *
LEAD	MG/KG	NA	400	600	40.6	205	15.4	20	261 J	22 J	45.5 *
MERCURY	MG/KG	NA	14	270	0.24	0.09	0.038	0.07	0.17 J	0.09 J	0.04 J
NICKEL	MG/KG	NA	250	2400	12.4	8.9	6.96	8.5	10	12.6	10.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.6 UN	0.56 UN	0.989	0.43 BN	0.71	0.53	0.61 U
SILVER	MG/KG	NA	110	4100	0.36 U	0.33 U	0.347 U	0.32 U	0.35 U	0.31 U	0.37 U
THALLIUM	MG/KG	NA	2	2	**2.1**	1.1 U	1.1 J	1.1 U	0.76 B	0.54 B	1.2 U
ZINC	MG/KG	NA	1500	1500	213 J	140 N	76.4	101 N	386	59.6	200

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-2296-02 9/12/2000 0 - 1 ft.	SB-J11-2296-04 5/25/2000 0 - 1.5 ft.	SB-J11-2298-04 5/23/2000 0 - 1.25 ft.	SB-J11-317-03 5/23/2000 0 - 1 ft.	SB-J11-317-05 5/23/2000 0 - 1 ft.	SB-J11-317-06 5/23/2000 0 - 2 ft.	SB-J11-8265-04 5/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.636 U	0.7 UJ	0.67 UN	0.63 UN	0.7 UN	0.65 UJ	0.82 UN
ARSENIC	MG/KG	NA	20	20	6.37	5.2	7.1 N	2.6 N	3.6 N	4.8 J	**20.8 N**
BERYLLIUM	MG/KG	NA	2	2	0.558	0.37	0.43	0.35	0.26	0.27	0.52
CADMIUM	MG/KG	NA	39	100	0.772 U	0.08 U	0.26 B	0.14 U	0.13 U	0.13 U	1.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.4	12.6	19.7	8.9	8.6	6.7	14.4
COPPER	MG/KG	NA	600	600	20.8 H	28.4	22 *	**1110 J**	458 J	70.5 J	72.5 J
LEAD	MG/KG	NA	400	600	34 H	53.1	13.1 *	**1920 J**	**1040 J**	**478 J**	**553 J**
MERCURY	MG/KG	NA	14	270	0.042	0.11	0.04 J	**20.6 J**	13.4 J	5.4 J	2 J
NICKEL	MG/KG	NA	250	2400	9.56	9.8	7.6	5.6	5.5	6.7	11.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.47	0.96 J	0.56 U	0.52 U	0.72	0.35 B	1.2
SILVER	MG/KG	NA	110	4100	0.318 U	0.35 U	0.33 U	0.1 B	0.1 B	0.09 B	0.1 B
THALLIUM	MG/KG	NA	2	2	1.06 U	0.7 B	1.1 U	1 U	1.2 U	1.1 U	1.4 U
ZINC	MG/KG	NA	1500	1500	86.2 H	85.6 J	59.9	34.2	31.2	18.7	694

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J11-8265A-03 5/18/2000 0 - 1 ft.	SB-J11-8570-01 5/25/2000 0 - 1 ft.	SB-J11-B20-02 5/18/2000 0 - 1.25 ft.	SB-J11-B25-01 9/12/2000 0 - 1 ft.	SB-J11-B25-02 5/25/2000 0 - 1.5 ft.	SB-J11-B83-01 5/18/2000 0 - 1.5 ft.	SB-J11-B83-03 8/1/2000 0 - 0.75 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.67 U	0.666 U	0.69 U	2.6	0.63 UN	0.68 U	0.766 UJ
ARSENIC	MG/KG	NA	20	20	4 J	4.77	3.3 J	3.06	3.6	8.4 J	8.93
BERYLLIUM	MG/KG	NA	2	2	0.22	0.534	0.2	0.244	0.32	0.22	0.337
CADMIUM	MG/KG	NA	39	100	0.08 B	0.338	0.04 B	0.77 U	0.74	0.13 B	0.093 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.9 J	16.2	10.7 J	11.7	11.3	11.3 J	21
COPPER	MG/KG	NA	600	600	20 J	33.9	75.5 J	25.6 H	25.6	32.6 J	28.7
LEAD	MG/KG	NA	400	600	31.3	28	138	58.6 H	38.2	95.9	121
MERCURY	MG/KG	NA	14	270	0.09	0.058	0.23	0.055	0.13	0.16	0.149
NICKEL	MG/KG	NA	250	2400	7.9	9.36	4.9	7.4	8.9	8.5	11.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1 N	0.747	0.39 BN	0.921	0.53 UN	0.73 N	1.4
SILVER	MG/KG	NA	110	4100	0.33 U	0.333 U	0.34 U	0.3 U	0.32 U	0.34 U	0.383 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.11 U	1.2 U	1 U	1.1	1.1 U	1.28 U
ZINC	MG/KG	NA	1500	1500	25.8 N	72.4	24.9 N	67.8 H	64.4 J	61.5 N	82.2

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J12-2-02 8/2/2000 0 - 1 ft.	SB-J12-2-03 5/23/2000 0 - 1.5 ft.	SB-J12-3-02 5/23/2000 0 - 2 ft.	SB-K10-1-01 5/16/2000 0 - 1.25 ft.	SB-K10-1-02 7/25/2000 0 - 2 ft.	SB-K10-2-02 5/25/2000 0 - 1.5 ft.	SB-K10-2-05 5/25/2000 0 - 1.5 ft.	SB-K10-2090-01 5/16/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.479 U	0.87 UN	0.67 UN	0.64 UJ	0.421 U	0.76 UN	0.76 UN	0.58 UN
ARSENIC	MG/KG	NA	20	20	3.95	5.7 N	2.1 N	5.5	7.99	5.8	8.2	15.7
BERYLLIUM	MG/KG	NA	2	2	0.277	0.14 B	0.12	0.47 E	0.635 J	0.57	0.66	0.54 E
CADMIUM	MG/KG	NA	39	100	0.367	0.18 U	0.12 U	0.32 U	1.03	0.21 B	0.4	0.29 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.5	9.9	7.2	20.7 *	16.3	17.1	18.1	20.2 *
COPPER	MG/KG	NA	600	600	15.8	34.8 J	153 J	131	78.7	15	21.6	25.6
LEAD	MG/KG	NA	400	600	10.1	213 J	**436 J**	106 N*	29.6	50.2	60.8	20.6 N*
MERCURY	MG/KG	NA	14	270	0.03 U	0.74 J	0.2 J	0.04	0.05	0.12	0.07	0.09
NICKEL	MG/KG	NA	250	2400	8.96	5.2	3.5	9.5	10.2 J	11.8	12.6	10.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.428	0.99	0.56 U	0.53 UN	0.664	0.63 UN	0.38 BN	0.48 UN
SILVER	MG/KG	NA	110	4100	0.239 U	0.43 U	0.34 U	0.32 U	0.211 U	0.38 U	0.38 U	0.29 U
THALLIUM	MG/KG	NA	2	2	0.798 U	1.4 U	1.1 U	1 B	0.702 U	1.8	**2.3**	0.94 B
ZINC	MG/KG	NA	1500	1500	47.9	53.2	22.6	143 J	244 J	111 J	137 J	93.1 *E

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2090-04 5/16/2000 0 - 1.25 ft.	SB-K10-2090-07 5/16/2000 0 - 2 ft.	SB-K10-2090-08 5/16/2000 0 - 1 ft.	SB-K10-2197-04 8/1/2000 0 - 2 ft.	SB-K10-2197-05 5/18/2000 0 - 1.25 ft.	SB-K10-2197A-01 5/18/2000 0 - 1 ft.	SB-K10-2197A-05 5/18/2000 0 - 1.25 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.55 UN	0.64 UN	0.66 UN	0.645 UJ	0.66 U	0.67 U	0.65 U
ARSENIC	MG/KG	NA	20	20	9	5.5	7.6	3.2	**35.2 J**	5.8 J	4.9 J
BERYLLIUM	MG/KG	NA	2	2	0.5 E	0.51 E	0.61 E	0.418	0.49	0.51	0.4
CADMIUM	MG/KG	NA	39	100	0.28 U	0.32 U	0.05 U	0.322 U	0.37	0.22 B	0.17 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.8 *	13.7 *	17.6 *	13	30.8 J	18.7 J	27.6 J
COPPER	MG/KG	NA	600	600	31.7	26.3	29.7	12.5	31.9 J	33.2 J	23.8 J
LEAD	MG/KG	NA	400	600	44.9 N*	21.4 N*	80.6 N*	10.1	267	88.6	144
MERCURY	MG/KG	NA	14	270	0.04 B	0.05	0.13	0.035 U	0.13	0.18	0.07
NICKEL	MG/KG	NA	250	2400	9.5	8.1	12.9	6.57	11.7	9.1	16.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.46 UN	0.54 UN	0.55 UN	0.578	0.4 BN	0.56 UN	0.54 UN
SILVER	MG/KG	NA	110	4100	0.28 U	0.32 U	0.33 U	0.322 U	0.33 U	0.33 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.2	1 B	1.3	0.798 J	0.87 B	1.1 U	0.68 B
ZINC	MG/KG	NA	1500	1500	102 *E	78.9 *E	142 *E	60	141 N	105 N	95.5 N

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K10-2266-04 5/16/2000 0 - 1 ft.	SB-K10-2266-05 5/16/2000 0 - 1.5 ft.	SB-K10-3-02 5/16/2000 0 - 2 ft.	SB-K10-5-02 5/16/2000 0 - 1.5 ft.	SB-K10-5-04 5/16/2000 0 - 1 ft.	SB-K10-79A-01 5/18/2000 0 - 1.25 ft.	SB-K10-79A-03 8/1/2000 0 - 1.5 ft.	SB-K11-1-04 5/18/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.69 UN	0.49 BN	2.5 N	0.42 BN	0.99 N	0.74 UN	0.776 UJ	0.65 UN
ARSENIC	MG/KG	NA	20	20	**24**	**81.9**	10.5	**36.5**	**92.4**	6.8	11.1	9.5
BERYLLIUM	MG/KG	NA	2	2	0.55 E	0.48 E	0.4 E	0.34 E	0.51 E	0.74	0.7	0.64
CADMIUM	MG/KG	NA	39	100	0.33 B	0.38	0.27 B	0.27 U	0.32 U	0.4	0.388 U	0.55
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.3 *	41.3 *	19.3 *	11.8 *	16.6 *	23 N	20.3	17.8
COPPER	MG/KG	NA	600	600	40.6	69.5	40.9	**780**	313	13.9 N	13.4	33.3
LEAD	MG/KG	NA	400	600	55.7 N*	83.5 N*	**3100 N***	18.9 N*	233 N*	20.6	40.8	**412**
MERCURY	MG/KG	NA	14	270	0.39	0.24	0.45	0.02 B	0.05	0.07	0.097	0.15
NICKEL	MG/KG	NA	250	2400	12.8	18.6	12.3	8.9	11.3	13.2	11.8	13.8
pH	PH	NA	NA	NA	NR	NR	NR	5.22	5.04	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.58 UN	0.52 UN	1 N	0.44 UN	0.53 UN	1.4	1.79	0.83
SILVER	MG/KG	NA	110	4100	0.35 U	0.09 B	0.09 B	0.09 B	0.32 U	0.36 U	0.388 U	0.32 U
THALLIUM	MG/KG	NA	2	2	0.58 B	0.92 B	0.76 B	0.88 U	0.87 B	1.2 U	1.38	1.2
ZINC	MG/KG	NA	1500	1500	159 *E	245 *E	98.6 *E	35.7 *E	77.4 *E	75.9	71.2	310

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-1-05 5/18/2000 0 - 1.25 ft.	SB-K11-2225B-02 5/12/2000 0 - 1.5 ft.	SB-K11-2264-03 8/1/2000 0 - 1 ft.	SB-K11-2264-04 5/18/2000 0 - 1.5 ft.	SB-K11-2300-01 5/18/2000 0 - 1 ft.	SB-K11-2300-05 5/18/2000 0 - 1.5 ft.	SB-K11-2301-02 8/1/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.69 UN	0.49 UJ	0.647 UJ	0.62 UJ	0.7 UN	0.69 UN	0.598 J
ARSENIC	MG/KG	NA	20	20	6.8	3.2 J	4.64	4.1	6.7	3.6	9.5
BERYLLIUM	MG/KG	NA	2	2	0.63	0.58 J	0.471	0.51	0.47	0.41	0.247
CADMIUM	MG/KG	NA	39	100	0.28 B	0.27 UJ	0.324 U	0.27 B	1.8	0.12 U	0.21 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.3	14.1 J	16.9	13.6	24.7	14.8	39.9
COPPER	MG/KG	NA	600	600	23.6	59.5 J	162	21.7	81.7	106	144
LEAD	MG/KG	NA	400	600	161	38.7 J	59.9	38.1	154	125	145
MERCURY	MG/KG	NA	14	270	0.14	0.04	0.09	0.08	0.26	0.1	0.971
NICKEL	MG/KG	NA	250	2400	11.8	19.7 J	8.71	7.8	8.7	8.9	25.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.48 B	0.41 UJ	0.613	0.3 B	0.58 U	0.57 U	1.85
SILVER	MG/KG	NA	110	4100	0.34 U	0.24 U	0.324 U	0.31 U	0.1 B	0.34 U	0.789
THALLIUM	MG/KG	NA	2	2	1.1 B	0.82 U	1.41	0.7 B	1.2 U	1.1 U	1.37 U
ZINC	MG/KG	NA	1500	1500	319	183 J	214	565	901	134	239

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-2301-04 5/18/2000 0 - 1.5 ft.	SB-K11-2302-03 5/18/2000 0 - 1.5 ft.	SB-K11-2302-05 5/18/2000 0 - 0.75 ft.	SB-K11-3-02 5/12/2000 0 - 1 ft.	SB-K11-598-02 7/25/2000 0 - 0.5 ft.	SB-K11-598-03 5/12/2000 0 - 1 ft.	SB-K11-601-01 5/12/2000 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.7 UN	0.69 UN	1.1 N	0.64 UN	0.606 U	0.55 UN	0.65 N
ARSENIC	MG/KG	NA	20	20	3.8	3.7	**25.2**	8.4 J	8.14	4.3 J	5.7 J
BERYLLIUM	MG/KG	NA	2	2	0.27	1.2	0.32	0.34 J	0.304 J	0.33 J	0.5 J
CADMIUM	MG/KG	NA	39	100	0.35 U	1	0.52	0.37 UJ	0.674	0.19 UJ	0.27 UJ
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.4	16.4	69.4	14.3 J	10.6	14.5 J	16.3 J
COPPER	MG/KG	NA	600	600	119	65.4	80.9	43 J	14.8	15.1 J	38.9 J
LEAD	MG/KG	NA	400	600	67.6	40.2	165	62.6 J	26.9	34 J	66.7 J
MERCURY	MG/KG	NA	14	270	0.07	0.11	0.37	0.27	0.048	0.09	0.11
NICKEL	MG/KG	NA	250	2400	7.7	15.5	10.5	8.1 J	5.41 J	8.8 J	15.4 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.58 U	0.58 U	0.68 U	0.54 UN	0.647	0.46 UN	0.48 UN
SILVER	MG/KG	NA	110	4100	0.35 U	0.34 U	0.11 B	0.32 U	0.303 U	0.28 U	0.29 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	1.4 U	1.1 U	1.01 U	0.92 U	0.97 U
ZINC	MG/KG	NA	1500	1500	214	376	466	93.6 J	143 J	54.7 J	185 J

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K11-604-02 5/18/2000 0 - 1.25 ft.	SB-K11-604-03 8/1/2000 0 - 1 ft.	SB-K11-607-01 8/1/2000 0 - 2 ft.	SB-K11-607-02 5/18/2000 0 - 1.5 ft.	SB-K11-B2-01 5/18/2000 0 - 0.75 ft.	SB-K11-B2-03 8/1/2000 0 - 1 ft.	SB-K11-B3-01 7/25/2000 0 - 1 ft.	SB-K11-B3-02 5/12/2000 0 - 1.25 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.63 UN	0.675 UJ	0.615 UJ	0.6 UN	0.67 UN	0.652 UJ	0.615 U	0.57 UN
ARSENIC	MG/KG	NA	20	20	4.4	4.29	2.6	3	4.4	6.44	3.85	2.4 J
BERYLLIUM	MG/KG	NA	2	2	0.47	0.373	0.176	0.18	0.53	0.541	0.382 J	0.34 J
CADMIUM	MG/KG	NA	39	100	0.12 U	0.621	0.307 U	0.3 U	0.33 U	0.326 U	0.678	0.16 UJ
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14	15.2	8.01	7.1	22.9	18.3	12.8	10 J
COPPER	MG/KG	NA	600	600	17	26.9	4.95	3.2	16.9	19.6	37.1	11.6 J
LEAD	MG/KG	NA	400	600	69.6	85.1	4.06	2	62.2	38.3	127	11.8 J
MERCURY	MG/KG	NA	14	270	0.07	0.081	0.022 J	0.02 B	0.08	0.057	0.232	0.07
NICKEL	MG/KG	NA	250	2400	9.3	11.5	1.43	1.7	12.5	10.3	16.7 J	7.1 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.36 B	0.692	0.421 J	0.5 U	0.56 U	0.55	0.996	0.48 UN
SILVER	MG/KG	NA	110	4100	0.32 U	0.338 U	0.307 U	0.3 U	0.33 U	0.326 U	0.307 U	0.29 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.01 J	1.02 U	1 U	0.91 B	1.25	1.03 U	0.95 U
ZINC	MG/KG	NA	1500	1500	115	110	53.8	58.3	64.6	62.2	212 J	34.4 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface
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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-1-01 8/1/2000 0 - 1 ft.	SB-K9-1-02 5/25/2000 0 - 1 ft.	SB-K9-4-01 8/1/2000 0 - 0.5 ft.	SB-K9-4-02 5/25/2000 0 - 1 ft.	SB-L10-1-02 5/16/2000 0 - 1.5 ft.	SB-L10-2-01 8/2/2000 0 - 1.5 ft.	SB-L10-2-02 5/18/2000 0 - 1 ft.	SB-L10-2088-01 8/2/2000 0 - 1 ft.	SB-L10-2088-02 5/18/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.734 UJ	0.75 U	0.663 UJ	0.66 U	0.64 UN	0.21 U	0.6 UN	0.43 U	0.65 UN
ARSENIC	MG/KG	NA	20	20	7.4	7.7	4.49	6.5	8	6.2	4.6	10.1	11.1
BERYLLIUM	MG/KG	NA	2	2	0.538	0.92	0.523	0.63	0.84 E	0.48	0.39	0.28	0.64
CADMIUM	MG/KG	NA	39	100	0.367 U	0.62	0.332 U	0.51	0.32 U	0.19 J	0.33	0.05 J	0.42
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.5	24.6	15.4	15.2	27.1 *	12.6	11.5 N	12	19 N
COPPER	MG/KG	NA	600	600	16.5	15	12.7	19.2	20.5	22.3	17.1 N	15.2	33.2 N
LEAD	MG/KG	NA	400	600	25.3	16	10.3	9.4	145 N*	109	31.3	34.8	60.8
MERCURY	MG/KG	NA	14	270	0.074	0.06	0.039	0.04	0.04 U	0.113 U	0.04	0.033 U	0.1
NICKEL	MG/KG	NA	250	2400	13.7	14.2	10.1	10.8	16.2	9.2 J	8.6	6.9 J	11.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.34	1.1	0.9	0.97	0.53 UN	0.88	0.56	0.68	1
SILVER	MG/KG	NA	110	4100	0.367 U	0.37 U	0.332 U	0.33 U	0.32 U	0.14 U	0.3 U	0.13 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.21 J	1.2 U	1.45	1.1 U	1.5	0.59 U	1 U	1.11 J	1.1 U
ZINC	MG/KG	NA	1500	1500	50.1	88.2 J	51.6	41.6 J	95.2 *E	84.5	43.2	39	76.1

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-2242-02 8/2/2000 0 - 1 ft.	SB-L10-2242-03 5/18/2000 0 - 1.5 ft.	SB-L10-2316-02 5/18/2000 0 - 1 ft.	SB-L10-4-02 7/25/2000 0 - 1 ft.	SB-L10-4-05 5/16/2000 0 - 1 ft.	SB-L10-725-01 5/18/2000 0 - 1 ft.	SB-L10-8210-03 5/26/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.4 UJ	0.61 UN	1.9 J	0.453 U	0.66 UN	0.95 N	0.664 U
ARSENIC	MG/KG	NA	20	20	3.3	4.5	**117**	4.4	4.7	4.6	13.9
BERYLLIUM	MG/KG	NA	2	2	0.61	0.49	0.44	0.5 J	0.52 E	0.46	0.573
CADMIUM	MG/KG	NA	39	100	0.12 J	0.39	0.31	0.702	0.33 U	0.39	0.733
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.9	14.7 N	19.4 J	13.6	22.5 *	13.9 N	20.9
COPPER	MG/KG	NA	600	600	21	269 N	34.7 J	25.4	19.5	23.5 N	38.8
LEAD	MG/KG	NA	400	600	10.6	14.4	44.9	55.6	12.1 N*	43.5	177
MERCURY	MG/KG	NA	14	270	0.037 U	0.05	0.07	0.125	0.03 U	0.08	0.579
NICKEL	MG/KG	NA	250	2400	8.84 J	7.4	11.9	7.31 J	12	12.1	14.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.72 J	0.62	1.1	0.921	0.55 UN	0.91	0.799
SILVER	MG/KG	NA	110	4100	0.16 U	0.07 B	0.31 U	0.227 U	0.33 U	0.33 U	0.332 U
THALLIUM	MG/KG	NA	2	2	0.53 U	1 U	1 U	0.755 U	1.2	1.1 U	0.751
ZINC	MG/KG	NA	1500	1500	52.5	112	44.4	77.5 J	70.9 *E	61.8	368

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L10-8215-01 8/2/2000 0 - 1 ft.	SB-L10-8215-02 5/18/2000 0 - 1 ft.	SB-L10-B462-01 8/2/2000 0 - 1.25 ft.	SB-L10-B462-03 5/18/2000 0 - 1 ft.	SB-L11-2089-01 5/18/2000 0 - 1 ft.	SB-L11-2089-05 5/18/2000 0 - 1 ft.	SB-L11-2091-02 5/18/2000 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.31 U	0.64 UN	0.42 UJ	0.62 UN	0.52 BN	0.54 UN	0.64 UN
ARSENIC	MG/KG	NA	20	20	3.6	16.2	9.23	4.6	6.6	8.6	5.2
BERYLLIUM	MG/KG	NA	2	2	0.385	0.3	0.444	0.51	0.48	0.27	0.41
CADMIUM	MG/KG	NA	39	100	0.03 U	0.21 B	0.377	0.47	0.29 B	0.28	0.32
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	10	22 N	15.4	18.2 N	16.2 N	16.6 N	14.7 N
COPPER	MG/KG	NA	600	600	21.9	23.5 N	55.1	38 N	27.5 N	23.8 N	18.8 N
LEAD	MG/KG	NA	400	600	31.4	32.3	17.4	32.2	17.4	13.5	16.3
MERCURY	MG/KG	NA	14	270	0.035 U	0.04	0.043 U	0.11	0.05	0.05	0.05
NICKEL	MG/KG	NA	250	2400	7.77 J	7.8	9.13	10.6	9.1	6.8	8.6
SELENIUM	MG/KG	NA	63	3100	0.75	0.69	0.322 J	0.82	0.49 B	0.45 U	0.45 B
SILVER	MG/KG	NA	110	4100	0.15 U	0.32 U	0.21 U	0.31 U	0.32 U	0.27 U	0.32 U
THALLIUM	MG/KG	NA	2	2	0.68 J	1.1 U	0.7 U	1 U	1.1 U	0.89 U	1.1 U
ZINC	MG/KG	NA	1500	1500	44.1	40.6	262	109	69.5	61.2	83.5

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L11-2091-05 5/18/2000 0 - 1 ft.	SB-L11-2225-02 5/25/2000 0 - 1.5 ft.	SB-L11-2225-05 5/25/2000 0 - 1 ft.	SB-L11-2226-02 5/18/2000 0 - 1.5 ft.	SB-L11-2303-03 5/18/2000 0 - 1 ft.	SB-L8-1-01 7/13/2000 0 - 1 ft.	SB-L8-1-05 7/13/2000 0 - 1 ft.	SB-L9-1-02 5/12/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.64 UN	0.71 U	0.62 U	0.6 UN	0.62 UN	0.723 U	0.648 U	0.66 UN
ARSENIC	MG/KG	NA	20	20	6.1	**33.4**	3.9	3	3.6	6.88 J	**102 J**	5.1 J
BERYLLIUM	MG/KG	NA	2	2	0.5	0.45	0.47	0.17	0.81	0.6	0.453	0.55 J
CADMIUM	MG/KG	NA	39	100	0.36	0.61	0.5	0.16 B	0.39	0.264 J	0.542	0.27 UJ
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21 N	35.3	11	4.4 N	23.1 N	17.2	32.9	17.9 J
COPPER	MG/KG	NA	600	600	24.6 N	16.6	16.1	6.4 N	40.6 N	24.1	79.2	17 J
LEAD	MG/KG	NA	400	600	16.2	24.3	17.4	3.4	16.9	42.1	20.7	35.3 J
MERCURY	MG/KG	NA	14	270	0.04	0.03 B	0.04	0.03 U	0.03 B	0.121 J	0.057 J	0.04
NICKEL	MG/KG	NA	250	2400	9.4	10.6	7.6	2.3	11.4	9.84	7.75	9.5 J
SELENIUM	MG/KG	NA	63	3100	0.82	0.67	0.68	0.5 U	0.94	1.98	1.37	0.55 UN
SILVER	MG/KG	NA	110	4100	0.32 U	0.1 B	0.31 U	0.3 U	0.31 U	0.361 U	0.324 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.2 U	1 U	1 U	1 U	1.21 UJ	1.08 UJ	1.1 U
ZINC	MG/KG	NA	1500	1500	74.7	241 J	57.5 J	10.7	47.3	62.7	62.6	66.2 J

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L9-79B-01 5/25/2000 0 - 1.5 ft.	SB-L9-79B-03 9/13/2000 0 - 1 ft.	SB-L9-8210-05 5/12/2000 0 - 1 ft.	SB-M10-1-02 5/18/2000 0 - 1.5 ft.	SB-M10-1-04 8/2/2000 0 - 1 ft.	SB-M10-2262-04 8/2/2000 0 - 1.5 ft.	SB-M10-2262-05 5/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.65 U	0.732 B	0.52 BN	0.68 U	0.547 U	0.435 U	0.62 UN
ARSENIC	MG/KG	NA	20	20	5.4	12	9.9 J	4.8 J	5.87	3.09	5.9 N
BERYLLIUM	MG/KG	NA	2	2	0.97	0.906	0.45 J	0.22	0.326	0.351	0.29
CADMIUM	MG/KG	NA	39	100	0.59	0.22 B	0.82	0.05 B	0.316 J	0.289 U	0.17 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20	21.2	53.5 J	17.9 J	20.3	12.7	12
COPPER	MG/KG	NA	600	600	12.6	21.4	36.9 J	6.1 J	13	31.2	117 J
LEAD	MG/KG	NA	400	600	32.8	63.1	**6530 J**	20	**443**	17.7	18.2 J
MERCURY	MG/KG	NA	14	270	0.13	0.158	3.1 J	0.06	0.177	0.017 U	0.03 J
NICKEL	MG/KG	NA	250	2400	11.6	13.2	14.1 J	6.5	9.75	9.52	6.9
SELENIUM	MG/KG	NA	63	3100	1.3	0.96	0.46 UN	0.55 BN	0.667	0.362 U	0.51 U
SILVER	MG/KG	NA	110	4100	0.32 U	0.246 B	4.7	0.34 U	0.316 U	0.217 U	0.31 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.34 U	0.67 B	1.1 U	1.055 U	0.725 U	1 U
ZINC	MG/KG	NA	1500	1500	143 J	81.2	290 J	30.4 N	49.6	49	52.9

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M10-2315-02 5/18/2000 0 - 1.5 ft.	SB-M10-6-02 5/18/2000 0 - 2 ft.	SB-M10-724-01 5/18/2000 0 - 0.5 ft.	SB-M10-724-03 8/2/2000 0 - 1.5 ft.	SB-M10-B14-01 5/18/2000 0 - 1 ft.	SB-M10-B14-02 8/2/2000 0 - 0.5 ft.	SB-M11-3-02 5/25/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.59 B	0.58 B	0.65 UN	0.466 U	0.69 U	1.09 U	0.78 U
ARSENIC	MG/KG	NA	20	20	4.5 J	4.3 J	4.2	2.74	5.2 J	4.89	4.4
BERYLLIUM	MG/KG	NA	2	2	0.26	0.14	0.37	0.245	0.44	0.519	0.28
CADMIUM	MG/KG	NA	39	100	0.75	0.21 B	0.31 B	0.277 U	0.07 B	0.452	1.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	24.7 J	12.6 J	10 N	8.39	20.1 J	19.1	9.2
COPPER	MG/KG	NA	600	600	**1120 J**	13.3 J	13.3 N	38.3	24.4 J	24.2	10.7
LEAD	MG/KG	NA	400	600	155	**459**	29.8	37.2	308	391	128
MERCURY	MG/KG	NA	14	270	0.15	0.39	0.06	0.137	0.11	0.105 U	0.22
NICKEL	MG/KG	NA	250	2400	14.3	6.2	8	5.57	12.6	11.2	6
SELENIUM	MG/KG	NA	63	3100	0.44 BN	0.77 J	0.33 B	0.268 J	0.56 BN	0.727	0.91
SILVER	MG/KG	NA	110	4100	0.54	0.37 U	0.33 U	0.233 U	0.34 U	0.359 U	0.17 B
THALLIUM	MG/KG	NA	2	2	1.2 U	1.2 U	1.1 U	0.777 U	1.1 U	1.195 U	1.3 U
ZINC	MG/KG	NA	1500	1500	643 N	105 J	46.5	49.6	221 N	94.7	295 J

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-3-03 8/2/2000 0 - 0.5 ft.	SB-M8-2-05 5/12/2000 0 - 1.5 ft.	SB-M8-3-01 5/12/2000 0 - 1.5 ft.	SB-M8-3-02 7/25/2000 0 - 1.25 ft.	SB-M9-2191-05 5/18/2000 0 - 1.25 ft.	SB-M9-2251-03 5/25/2000 0 - 1 ft.	SB-M9-2254-03 5/12/2000 0 - 1 ft.	SB-M9-3-01 5/18/2000 0 - 1.25 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.18 U	0.65 UJ	0.47 UJ	0.464 U	1.3 U	1.3	0.59 UN	0.63 U
ARSENIC	MG/KG	NA	20	20	13.4	7 N	5.4 N	2.73	5.6 J	11.3	6.3 J	2.9 J
BERYLLIUM	MG/KG	NA	2	2	0.27	0.41	0.41	0.525 J	0.4	0.87	0.6 J	0.36
CADMIUM	MG/KG	NA	39	100	0.647	2.2	0.32	0.732	0.26 B	0.86	0.37 UJ	0.16 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.5	15.7	15.1	14.6	24.3 J	25.9	20 J	11 J
COPPER	MG/KG	NA	600	600	19.8	88.4 N	31.3 N	16.2	**3600 J**	46.3	32.6 J	14.5 J
LEAD	MG/KG	NA	400	600	**490**	**822**	33.5	21.1	**1510**	72.9	16.1 J	49.2
MERCURY	MG/KG	NA	14	270	0.29	0.44	0.03 U	0.043	0.11	0.12	0.04	0.04
NICKEL	MG/KG	NA	250	2400	5.33	12.5	9.9	9.19 J	17.8	12.9	10.6 J	7.3
SELENIUM	MG/KG	NA	63	3100	1.54	1.2	0.24 B	0.784	1.1 UN	1.9	0.49 UN	0.52 UN
SILVER	MG/KG	NA	110	4100	0.28 J	32.2	0.15 B	0.232 U	0.65 U	0.43	0.3 U	0.31 U
THALLIUM	MG/KG	NA	2	2	1.401 U	1.1 U	0.78 U	0.773 U	2.2 U	2 U	0.56 B	1 U
ZINC	MG/KG	NA	1500	1500	119	953	135	79.2 J	161 N	92 J	94.1 J	63.8 N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M9-5-02 5/18/2000 0 - 2 ft.	SB-M9-8151-02 7/13/2000 0 - 1.25 ft.	SB-M9-8151-03 9/27/2000 0 - 1.5 ft.	SB-N8-2304-01 5/25/2000 0 - 1 ft.	SB-N8-2304-05 5/25/2000 0 - 1 ft.	SB-N9-2195-02 5/23/2000 0 - 1.5 ft.	SB-N9-2195-05 5/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.72 U	0.581 U	0.658 U	0.66 U	0.61 U	0.64 UN	0.64 UN
ARSENIC	MG/KG	NA	20	20	7.6 J	2.92 J	3.45	3.3	1.6	2.8 N	6 N
BERYLLIUM	MG/KG	NA	2	2	0.75	0.454	0.63 J	0.55	0.34	0.14	0.21
CADMIUM	MG/KG	NA	39	100	0.59	0.204 J	0.054 B	0.64	0.47	0.1 U	0.17 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	26.4 J	10.6	10.6	15.1	10.2	8.2	9.9
COPPER	MG/KG	NA	600	600	14.5 J	13.4	13.2	24.6	20.4	6 J	75.7 J
LEAD	MG/KG	NA	400	600	16.9	10.6	9.03 J	19	9.5	31.3 J	93.6 J
MERCURY	MG/KG	NA	14	270	0.05	0.027 J	0.02 B	0.04	0.02 B	0.1 J	0.34 J
NICKEL	MG/KG	NA	250	2400	16.1	7.37	8.47	9.2	7.7	3.3	4.6
SELENIUM	MG/KG	NA	63	3100	0.39 BN	0.892	0.548 U	0.91	0.56	0.53 U	0.53 U
SILVER	MG/KG	NA	110	4100	0.36 U	0.291 U	0.329 U	0.33 U	0.09 B	0.32 U	0.32 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.969 UJ	1.1 U	1.1 U	1 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	136 N	45.6	46	213 J	101 J	19.8	52.3

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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ft. = Feet below ground surface

Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-2260-01 7/13/2000 0 - 1 ft.	SB-N9-2267-03 6/15/2000 0 - 1.5 ft.	SB-N9-2267-05 6/15/2000 0 - 2 ft.	SB-N9-2269-04 5/25/2000 0 - 1.5 ft.	SB-N9-3-04 8/2/2000 0 - 1 ft.	SB-N9-3-05 5/25/2000 0 - 1 ft.	SB-N9-B4-01 9/12/2000 0 - 1.5 ft.	SB-N9-B4-04 5/26/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.626 U	0.643 U	0.619 U	0.66 U	0.761 U	0.77 U	0.617 U	0.67 U
ARSENIC	MG/KG	NA	20	20	5.95 J	3.89	14.9	3.1	7.54	5.7	3.19	4
BERYLLIUM	MG/KG	NA	2	2	0.252	0.442	0.362	0.39	0.194	0.14	0.42	0.425
CADMIUM	MG/KG	NA	39	100	0.221 J	0.646	0.283 J	0.59	0.358 J	1.5	1.47	0.286 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.8	15.5	175	12.3	15.3	9.4	10.2	16.1
COPPER	MG/KG	NA	600	600	33.4	32.8	16.6	21.6	96.7	20	20.4 H	13.3
LEAD	MG/KG	NA	400	600	37.4	38.8	43.2	22.7	135	170	26.8 H	19.1
MERCURY	MG/KG	NA	14	270	0.075 J	0.155	0.031 U	0.05	0.115 U	0.09	0.043	0.047
NICKEL	MG/KG	NA	250	2400	11.4	8.5	5.14	7.2	6.03	4.2	8.38	9.36
SELENIUM	MG/KG	NA	63	3100	0.915	0.816	0.462 J	0.62	1.07	1.5	1.01	0.395 J
SILVER	MG/KG	NA	110	4100	0.313 U	0.322 U	0.309 U	0.1 B	0.38 U	0.22 B	0.308 U	0.085 J
THALLIUM	MG/KG	NA	2	2	1.04 UJ	1.07 U	1.03 U	1.1 U	1.268 U	1.3 U	1.03 U	1.12 U
ZINC	MG/KG	NA	1500	1500	58.5	338	286	134 J	45.2	374 J	907 H	1190

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N9-B4-11-03 9/12/2000 0 - 1.5 ft.	SB-N9-B4-11-05 5/26/2000 0 - 1 ft.	SB-N9-B41-10-01 9/12/2000 0 - 1 ft.	SB-N9-B41-10-03 5/26/2000 0 - 1.5 ft.	SB-O7-2271-02 9/12/2000 0 - 2 ft.	SB-O7-2271-04 5/26/2000 0 - 1 ft.	SB-O8-2247-04 5/16/2000 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.604 U	0.613 U	0.638 U	0.679 U	0.665 U	0.695 U	0.64 UN
ARSENIC	MG/KG	NA	20	20	1.77	2.36	5.2	3.34	1.69	2.52	2.4
BERYLLIUM	MG/KG	NA	2	2	0.099 B	0.362	0.299	0.329	0.606	0.616	0.39 E
CADMIUM	MG/KG	NA	39	100	0.08 U	0.083 U	1.19 U	0.129 U	0.605 U	0.172 U	0.3 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	5.94	8.97	17.1	10.1	10.9	15	15.4 *
COPPER	MG/KG	NA	600	600	6.85	12.4	168 H	10.6	20 H	19.2	46.3
LEAD	MG/KG	NA	400	600	8.92	7.24	45.6 H	9.56	7.08 H	4.33	24.6 N*
MERCURY	MG/KG	NA	14	270	0.033 U	0.035 U	0.204	0.162	0.035 U	0.02	0.04 U
NICKEL	MG/KG	NA	250	2400	2.75	6.05	13	5.89	5.9	7.29	9
SELENIUM	MG/KG	NA	63	3100	0.345 B	0.511 U	1.12	0.465 J	0.823	0.407 J	0.53 UN
SILVER	MG/KG	NA	110	4100	0.302 U	0.306 U	0.192 B	0.34 U	0.332 U	0.347 U	0.32 U
THALLIUM	MG/KG	NA	2	2	1.01 U	1.02 U	1.06 U	1.13 U	1.11 U	0.579 J	1.1 U
ZINC	MG/KG	NA	1500	1500	31.2	64.7	397 H	359	242 H	104	182 *E

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Table 5-8E

Analytical Results
B-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-2247-05 5/16/2000 0 - 1 ft.	SB-O8-2252-01 7/25/2000 0 - 1 ft.	SB-O8-2252-02 5/16/2000 0 - 2 ft.	SB-O8-2268-01 9/12/2000 0 - 0.5 ft.	SB-O8-2268-05 5/26/2000 0 - 1.5 ft.	SB-O8-2274-01 5/16/2000 0 - 2 ft.	SB-O8-4-01 7/25/2000 0 - 1 ft.	SB-O8-4-02 5/16/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.65 UN	0.547 U	0.64 UN	0.607 U	0.672 U	0.64 UJ	0.61 U	0.65 UN
ARSENIC	MG/KG	NA	20	20	2.1	2.84	2.2	3.63	6.7	2.7	1.54	2.3
BERYLLIUM	MG/KG	NA	2	2	0.49 E	0.494 J	0.49 E	0.369	0.865	0.55 E	0.585 J	0.59 E
CADMIUM	MG/KG	NA	39	100	0.2 B	1.94	3.4	0.048 U	0.336 U	0.32 U	0.6	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.3 *	25.4	15.4 *	9.07	23.2	13.8 *	10.5	14.7 *
COPPER	MG/KG	NA	600	600	21.7	18.1	17.3	11.7	26.8 J	15.3	16.3	17.7
LEAD	MG/KG	NA	400	600	9 N*	10.6	11 N*	25	34.3	4.9 J	4.4	11.6 N*
MERCURY	MG/KG	NA	14	270	0.03 U	0.019 J	0.03 U	0.032 J	0.134	0.02 B	0.035 U	0.02 B
NICKEL	MG/KG	NA	250	2400	9.6	13.3 J	7.2	5.05	15.7	7.3	5.95 J	6.8
SELENIUM	MG/KG	NA	63	3100	0.54 UN	0.594	0.54 UN	0.645	1.03	0.53 UJ	0.424 J	0.54 UN
SILVER	MG/KG	NA	110	4100	0.33 U	0.273 U	0.32 U	0.303 U	0.336 U	0.32 U	0.305 U	0.33 U
THALLIUM	MG/KG	NA	2	2	0.87 B	0.911 U	1.2	1.01 U	1.25	1.1	1.02 U	1.4
ZINC	MG/KG	NA	1500	1500	90.3 *E	552 J	907 *E	28.8	101	66.1 *E	39.8 J	56.1 *E

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ft. = Feet below ground surface

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296A-01 3/31/2000 0.5 - 1.0 ft.	SB-E9-2296C-01 3/31/2000 0.5 - 1.0 ft.	SB-F10-2162-02 6/23/2000 0.5 - 1.0 ft.	SB-F10-2162-04 3/30/2000 0.5 - 1.0 ft.	SB-F10-2222-01 3/30/2000 0.5 - 1.0 ft.	SB-F10-2222-02 3/30/2000 0.5 - 1.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	466 UJ	568 UJ	516 U	550 U	580 U	530 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	466 UJ	568 UJ	516 U	550 U	580 UJ	530 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	466 UJ	568 UJ	516 U	550 UJ	580 U	530 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	466 UJ	568 UJ	NR	550 U	580 U	530 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	933 UJ	1136 UJ	1033 U	1100 UJ	1200 UJ	1100 UJ
ACROLEIN	UG/KG	NA	NA	NA	1866 UJ	2273 UJ	5165 U	2200 U	2300 U	2100 U
ACRYLONITRILE	UG/KG	1000	1000	5000	466 UJ	568 UJ	5165 U	550 UJ	580 UJ	530 UJ
BENZENE	UG/KG	1000	3000	13000	466 UJ	568 UJ	516 U	240 J	**8000**	240 J
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
BROMOFORM	UG/KG	1000	86000	370000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
BROMOMETHANE	UG/KG	1000	79000	1000000	444 J	385 J	NR	1100 U	1200 U	1100 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	466 UJ	568 UJ	516 UJ	550 U	580 U	530 U
CHLOROBENZENE	UG/KG	1000	37000	680000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
CHLOROETHANE	UG/KG	NA	NA	NA	933 UJ	1136 UJ	1033 U	1100 U	1200 U	1100 U
CHLOROFORM	UG/KG	1000	19000	28000	466 UJ	158 J	516 U	200 U	200 U	190 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	581 J	2213 J	1033 U	1100 U	1200 U	1100 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	466 UJ	568 UJ	516 U	550 U	580 U	530 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	466 UJ	568 UJ	516 U	550 U	580 U	530 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1048 UJ	1275 UJ	497 U	470 UJ	420 U	570 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	466 UJ	568 UJ	516 U	550 U	580 U	530 U

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296A-01 3/31/2000 0.5 - 1.0 ft.	SB-E9-2296C-01 3/31/2000 0.5 - 1.0 ft.	SB-F10-2162-02 6/23/2000 0.5 - 1.0 ft.	SB-F10-2162-04 3/30/2000 0.5 - 1.0 ft.	SB-F10-2222-01 3/30/2000 0.5 - 1.0 ft.	SB-F10-2222-02 3/30/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	466 UJ	568 UJ	516 U	1100	260 J	530 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	466 UJ	568 UJ	516 U	550 UJ	580 UJ	530 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	466 UJ	568 UJ	516 U	550 UJ	580 U	530 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	933 UJ	1136 UJ	NR	1100 U	1200 U	1100 U

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Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-3-01 3/31/2000 0.5 - 1.0 ft.	SB-F10-3-07 3/31/2000 0.5 - 1.0 ft.	SB-F10-5-01 3/31/2000 0.5 - 1.0 ft.	SB-F8-573-02 7/14/2000 0.5 - 1.0 ft.	SB-F9-1-01 6/23/2000 0.5 - 1.0 ft.	SB-F9-1-04 3/30/2000 0.5 - 1.0 ft.	SB-F9-4-01 3/30/2000 0.5 - 1.0 ft.	SB-G8-3-02 7/14/2000 0.5 - 1.0 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	539 UJ	619 UJ	718 UJ	512 UJ	530 UJ	550 U	570 UJ	568 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	539 U	619 U	718 UJ	512 UJ	530 U	550 U	120 J	568 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 UJ	570 UJ	568 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	539 UJ	151 J	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	539 UJ	619 UJ	718 UJ	NR	NR	550 U	570 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1078 UJ	1238 UJ	1437 UJ	1020 UJ	1059 U	1100 UJ	1100 UJ	1140 UJ
ACROLEIN	UG/KG	NA	NA	NA	2155 UJ	2475 UJ	2874 UJ	2050 UJ	5296 U	2200 U	2300 UJ	2270 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	539 UJ	619 UJ	718 UJ	512 UJ	5296 U	550 UJ	570 UJ	**1370 J**
BENZENE	UG/KG	1000	3000	13000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
BROMOFORM	UG/KG	1000	86000	370000	539 U	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	307 J	257 J	829 J	NR	NR	1100 U	220 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	539 UJ	1238 UJ	718 UJ	512 UJ	530 UJ	550 U	570 UJ	568 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	539 U	619 U	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1078 UJ	1238 UJ	1437 UJ	1020 UJ	1059 U	1100 U	1100 UJ	1140 UJ
CHLOROFORM	UG/KG	1000	19000	28000	252 J	156 J	203 J	512 UJ	530 U	210 U	180 UJ	568 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	586 J	556 J	687 J	721 J	1059 U	290 J	1100 UJ	1490 J
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	128 J	619 U	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	4139 UJ	4657 UJ	1661 UJ	1420 U	987 J	880 UJ	580 UJ	1780 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	539 U	619 U	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-3-01 3/31/2000 0.5 - 1.0 ft.	SB-F10-3-07 3/31/2000 0.5 - 1.0 ft.	SB-F10-5-01 3/31/2000 0.5 - 1.0 ft.	SB-F8-573-02 7/14/2000 0.5 - 1.0 ft.	SB-F9-1-01 6/23/2000 0.5 - 1.0 ft.	SB-F9-1-04 3/30/2000 0.5 - 1.0 ft.	SB-F9-4-01 3/30/2000 0.5 - 1.0 ft.	SB-G8-3-02 7/14/2000 0.5 - 1.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	191 J	619 U	718 UJ	512 UJ	530 U	550 U	570 UJ	568 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	539 UJ	619 UJ	718 UJ	512 UJ	530 U	550 UJ	570 UJ	568 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	539 UJ	619 UJ	718 UJ	512 UJ	530 UJ	550 U	570 UJ	568 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	172 J	1238 UJ	1437 UJ	NR	NR	1100 U	1100 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface.

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2123-01 12/17/1999 0.5 - 1.0 ft.	SB-G9-2123-05 12/17/1999 0.5 - 1.0 ft.	SB-G9-3-03 12/17/1999 0.5 - 1.0 ft.	SB-G9-9322-02 4/7/2000 0.5 - 1.0 ft.	SB-G9-9322-04 4/7/2000 0.5 - 1.0 ft.	TP-E10-PA12-01 8/9/2000 3.5 - 4.0 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	530 U	550 U	530 U	590 U	595 U	717 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	530 U	550 U	530 U	590 U	595 U	717 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	530 U	550 U	530 U	590 U	595 U	717 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	530 U	550 U	530 U	590 U	595 U	717 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	530 U	550 U	530 U	590 U	595 U	717 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1100 U	1100 U	1179 U	1191 U	1430 UJ
ACROLEIN	UG/KG	NA	NA	NA	2100 UJ	2200 UJ	2100 UJ	2359 U	2381 U	2870 U
ACRYLONITRILE	UG/KG	1000	1000	5000	530 U	550 U	530 U	590 U	595 U	717 U
BENZENE	UG/KG	1000	3000	13000	530 U	550 U	640	590 U	595 U	717 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U
BROMOFORM	UG/KG	1000	86000	370000	530 U	550 U	530 U	590 U	595 U	717 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1100 UJ	1100 UJ	1060 UJ	271 U	195 UJ	1430 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	530 U	550 U	530 U	590 U	595 U	717 U
CHLOROBENZENE	UG/KG	1000	37000	680000	530 U	550 U	530 U	590 U	595 U	717 U
CHLOROETHANE	UG/KG	NA	NA	NA	1100 U	1100 UJ	1060 UJ	1179 U	1191 U	1430 U
CHLOROFORM	UG/KG	1000	19000	28000	530 U	550 U	530 U	197 U	181 UJ	717 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 U	1100 U	1060 U	189 J	154 J	1430 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	590 U	595 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	530 UJ	550 UJ	530 UJ	NR	NR	717 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	530 U	550 U	530 U	590 U	595 U	717 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 U	850 U	890 U	737 U	688 UJ	506 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2123-01 12/17/1999 0.5 - 1.0 ft.	SB-G9-2123-05 12/17/1999 0.5 - 1.0 ft.	SB-G9-3-03 12/17/1999 0.5 - 1.0 ft.	SB-G9-9322-02 4/7/2000 0.5 - 1.0 ft.	SB-G9-9322-04 4/7/2000 0.5 - 1.0 ft.	TP-E10-PA12-01 8/9/2000 3.5 - 4.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	530 UJ	550 UJ	530 UJ	590 U	595 U	717 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	530 U	550 U	530 U	590 U	595 U	717 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	530 U	550 U	530 U	590 U	595 U	717 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 UJ	1100 UJ	1060 UJ	1179 U	1191 U	1430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface.

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F10-8237A-01 8/3/2000 1.5 - 2.0 ft.	TP-F8-PA1/PA2-01 8/1/2000 5.5 - 6.0 ft.
Volatile Organic Compounds						
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	563 U	584 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	563 U	584 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	563 U	584 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	563 U	584 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	563 U	584 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	563 U	584 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	563 U	584 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1130 U	1170 U
ACROLEIN	UG/KG	NA	NA	NA	2250 U	2340 U
ACRYLONITRILE	UG/KG	1000	1000	5000	5630 U	5840 U
BENZENE	UG/KG	1000	3000	13000	563 U	584 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	563 U	584 U
BROMOFORM	UG/KG	1000	86000	370000	563 U	584 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1130 U	1170 U
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	563 U	584 U
CHLOROBENZENE	UG/KG	1000	37000	680000	563 U	584 U
CHLOROETHANE	UG/KG	NA	NA	NA	1130 U	1170 U
CHLOROFORM	UG/KG	1000	19000	28000	563 U	584 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	1130 U	1170 U
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	563 U	584 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	563 U	584 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	563 U	584 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1970 U	2060 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	563 U	584 U

Table 5-9A

Analytical Results
A-Line Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F10-8237A-01 8/3/2000 1.5 - 2.0 ft.	TP-F8-PA1/PA2-01 8/1/2000 5.5 - 6.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	563 U	584 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	563 U	584 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	563 U	584 U
VINYL CHLORIDE	UG/KG	10000	2000	7000	1130 U	1170 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface.

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2097-02 3/24/2000 0 - 1 ft.	SB-E10-2097-07 3/24/2000 0 - 2 ft.	SB-E10-2101-05 3/16/2000 0 - 2 ft.	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-2101C-01 3/23/2000 0 - 1 ft.	SB-E10-2101C-05 3/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3500 U	350 U	400 U	420 U	360 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3500 UJ	350 UJ	400 U	420 U	360 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3500 U	350 U	400 U	420 U	360 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3500 U	350 U	400 U	420 U	360 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7100 U	710 U	790 U	840 U	720 U	730 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3500 U	350 U	400 U	**252 J**	360 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3500 U	350 U	400 U	420 U	360 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3500 U	350 U	400 U	420 U	360 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3500 U	350 U	400 U	420 U	360 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7100 U	710 UJ	790 U	840 U	720 U	730 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7100 U	710 U	790 U	840 U	720 U	730 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3500 U	350 U	400 U	420 U	360 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3500 U	350 U	400 U	420 U	360 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7100 UJ	710 UJ	790 U	840 U	720 U	730 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3500 U	350 U	400 U	130 J	360 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3500 U	350 U	400 U	31 J	360 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3500 U	350 U	400 U	320 J	22 J	370 U
BENZIDINE	UG/KG	NA	NA	NA	3500 UJ	350 UJ	400 U	420 U	360 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3500 U	350 U	42 J	**1500**	71 J	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3500 U	350 U	38 J	**1500**	71 J	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3500 U	350 U	400 U	**2300**	120 J	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3500 U	350 U	400 U	1200	360 U	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3500 U	350 U	400 U	730	360 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3500 U	350 U	400 U	420 U	360 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3500 U	350 U	400 U	420 U	360 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3500 U	39 J	26 J	270 J	90 J	41 J
CHRYSENE	UG/KG	500000	9000	40000	3500 U	350 U	46 J	1700	85 J	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3500 U	340 J	69 J	5500	250 J	91 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2097-02 3/24/2000 0 - 1 ft.	SB-E10-2097-07 3/24/2000 0 - 2 ft.	SB-E10-2101-05 3/16/2000 0 - 2 ft.	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-2101C-01 3/23/2000 0 - 1 ft.	SB-E10-2101C-05 3/23/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3500 U	350 U	400 U	250 J	360 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3500 U	250 J	68 J	560	360 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3500 U	350 U	74 J	4400	150 J	370 U
FLUORENE	UG/KG	100000	2300000	10000000	3500 U	350 U	400 U	160 J	360 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3500 UJ	350 U	400 U	420 U	360 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3500 U	350 U	400 U	420 U	360 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3500 U	350 U	400 U	420 U	360 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3500 U	350 U	400 U	420 U	360 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3500 U	350 U	400 U	**1000**	360 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3500 U	350 U	400 U	420 U	360 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3500 UJ	350 UJ	400 U	420 U	360 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3500 U	350 U	230 J	2600	360 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3500 U	350 U	400 U	39 J	360 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7100 U	710 U	790 U	840 U	720 U	730 U
PHENANTHRENE	UG/KG	NA	NA	NA	3500 U	350 U	36 J	3000	93 J	24 J
PHENOL	UG/KG	50000	10000000	10000000	3500 U	350 U	400 U	420 U	360 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	3500 U	350 U	400 U	3100	130 J	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2159-02 3/24/2000 0 - 1 ft.	SB-E10-2159-05 3/24/2000 0 - 2 ft.	SB-E10-2160-03 3/16/2000 0 - 1 ft.	SB-E10-2160-05 3/16/2000 0 - 1 ft.	SB-E10-2288-03 3/24/2000 0 - 0.5 ft.	SB-E10-2288-05 3/24/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 U	390 U	400 U	370 U	3800 U	3900 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 UJ	390 UJ	400 U	370 U	3800 UJ	3900 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 U	390 U	400 U	370 U	3800 U	3900 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 U	390 U	400 U	370 U	3800 U	3900 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7700 U	780 U	800 U	750 U	7600 U	7800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 U	390 U	400 U	370 U	3800 U	3900 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 U	390 U	400 U	370 U	3800 U	3900 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7700 UJ	780 UJ	800 U	750 U	7600 U	7800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7700 U	780 U	800 U	750 U	7600 U	7800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7700 UJ	780 UJ	800 U	750 U	7600 UJ	7800 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZIDINE	UG/KG	NA	NA	NA	3800 UJ	390 UJ	400 U	370 U	3800 UJ	3900 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 U	390 U	400 U	370 U	3800 U	3900 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 U	390 U	400 U	370 U	3800 U	3900 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	45 J	48 J	23 J	3800 U	400 J
CHRYSENE	UG/KG	500000	9000	40000	3800 U	390 U	400 U	370 U	3800 U	3900 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 J	200 J	49 J	370 U	3800 U	3900 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2159-02 3/24/2000 0 - 1 ft.	SB-E10-2159-05 3/24/2000 0 - 2 ft.	SB-E10-2160-03 3/16/2000 0 - 1 ft.	SB-E10-2160-05 3/16/2000 0 - 1 ft.	SB-E10-2288-03 3/24/2000 0 - 0.5 ft.	SB-E10-2288-05 3/24/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 U	390 U	400 U	370 U	3800 U	3900 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	390 U	44 J	370 U	3800 U	3900 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
FLUORENE	UG/KG	100000	2300000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 U	390 U	400 U	370 U	3800 UJ	3900 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 U	390 U	400 U	370 U	3800 U	3900 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 U	390 U	400 U	370 U	3800 U	3900 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 U	390 U	400 U	370 U	3800 U	3900 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 U	390 U	400 U	370 U	3800 U	3900 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 U	390 U	400 U	370 U	3800 U	3900 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 UJ	390 UJ	400 U	370 U	3800 UJ	3900 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 U	390 U	400 U	370 U	3800 U	3900 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 U	390 U	400 U	370 U	3800 U	3900 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7700 U	780 U	800 U	750 U	7600 U	7800 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 U	390 U	400 U	370 U	3800 U	3900 U
PHENOL	UG/KG	50000	10000000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U
PYRENE	UG/KG	100000	1700000	10000000	3800 U	390 U	400 U	370 U	3800 U	3900 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-606-02 3/23/2000 0 - 2 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E10-A1-02 3/16/2000 0 - 2 ft.	SB-E9-2-01 6/16/2000 0 - 1.5 ft.	SB-E9-2-03 3/24/2000 0 - 1 ft.	SB-E9-2153-02 3/23/2000 0 - 1.5 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 UJ	390 UJ	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	377 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	750 U	830 U	780 U	754 U	7300 U	780 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	**3970 J**	390 U	377 U	3700 U	390 U	**9530 *D**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	750 UJ	830 UJ	780 U	754 U	7300 UJ	780 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	750 U	830 U	780 U	754 U	7300 U	780 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	750 UJ	830 UJ	780 U	754 U	7300 UJ	780 U	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	370 UJ	420 UJ	390 U	377 U	3700 UJ	390 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	420 U	52 J	35.1 J	3700 U	390 U	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	420 U	35 J	377 U	3700 U	390 U	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	420 U	66 J	377 U	3700 U	390 U	390 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	420 U	390 U	NR	3700 U	390 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	420 U	35 J	23 J	3700 U	32 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	370 U	420 U	90 J	35.4 J	3700 U	390 U	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 U	710	69 J	92 J	630 J	62 J	6100

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-606-02 3/23/2000 0 - 2 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E10-A1-02 3/16/2000 0 - 2 ft.	SB-E9-2-01 6/16/2000 0 - 1.5 ft.	SB-E9-2-03 3/24/2000 0 - 1 ft.	SB-E9-2153-02 3/23/2000 0 - 1.5 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	420 U	390 U	108 J	370 J	300 J	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	420 U	74 J	377 U	3700 U	390 U	390 U
FLUORENE	UG/KG	100000	2300000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	420 U	390 U	377 U	3700 UJ	390 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	280 J	390 U	396	860 J	230 J	2300
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	750 U	830 U	780 U	754 U	7300 U	780 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 U	420 U	61 J	24.9 J	3700 U	390 U	390 U
PHENOL	UG/KG	50000	10000000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	370 U	420 U	390 U	377 U	3700 U	390 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296-04 3/21/2000 0 - 2 ft.	SB-E9-2296-05 3/21/2000 0 - 1 ft.	SB-E9-2296-06 3/21/2000 0 - 1 ft.	SB-E9-2296-07 3/21/2000 0 - 2 ft.	SB-E9-2296A-01 3/31/2000 0 - 1 ft.	SB-E9-2296B-03 3/21/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	3700 U	360 U	400 U	370 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	3700 U	360 U	400 U	370 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	3700 U	360 U	400 U	370 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	720 U	7300 U	720 U	790 U	740 U	730 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	3700 U	360 U	400 U	370 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	3700 U	360 U	400 U	370 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 U	7300 U	720 U	790 U	730 U	730 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	720 U	7300 U	720 U	790 U	730 U	730 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	720 U	7300 U	720 U	790 U	730 U	730 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 UJ	370 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	28 J	3700 U	360 U	400 U	370 U	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	26 J	3700 U	360 U	400 U	370 U	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	360 U	3700 U	360 U	400 U	370 U	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 UJ	370 UJ	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	3700 U	360 U	400 U	370 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	3700 U	360 U	400 U	370 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	26 J	3700 U	360 U	400 U	47 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	33 J	3700 U	360 U	400 U	370 U	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	160 J	3700 U	360 U	37 J	550	100 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296-04 3/21/2000 0 - 2 ft.	SB-E9-2296-05 3/21/2000 0 - 1 ft.	SB-E9-2296-06 3/21/2000 0 - 1 ft.	SB-E9-2296-07 3/21/2000 0 - 2 ft.	SB-E9-2296A-01 3/31/2000 0 - 1 ft.	SB-E9-2296B-03 3/21/2000 0 - 2 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	3700 U	360 U	400 UJ	370 UJ	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	100 J	3700 U	360 U	400 U	280 J	130 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	3700 U	360 U	400 U	370 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	3700 U	360 U	400 U	370 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 U	3700 U	360 U	400 U	370 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	3700 U	360 U	400 U	370 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	3700 U	360 U	400 UJ	370 UJ	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	3700 U	360 U	400 UJ	370 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 UJ	3700 UJ	360 UJUJUJ	400 UJ	370 UJ	370 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	810	4200	360 U	710	160 J	220 J
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	3700 U	360 U	400 U	370 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	720 U	7300 U	720 U	790 U	730 U	730 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 U	3700 U	360 U	400 U	370 U	370 U
PHENOL	UG/KG	50000	10000000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	360 U	3700 U	360 U	400 U	370 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296B-04 6/16/2000 0 - 2 ft.	SB-E9-2296C-01 3/31/2000 0 - 2 ft.	SB-E9-2296C-01 6/16/2000 0 - 2 ft.	SB-E9-2296D-01 3/21/2000 0 - 1.5 ft.	SB-E9-2296D-03 6/16/2000 0 - 2 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	357 U	NR	3880 U	350 U	359 U	3528 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	357 U	568 UJ	3880 U	350 U	359 U	3528 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	357 U	568 UJ	3880 U	350 U	359 U	3528 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	357 U	NR	3880 U	NR	359 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	357 U	NR	3880 U	350 U	359 U	3528 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	357 U	NR	3880 U	350 U	359 U	3528 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	713 U	NR	7770 U	690 U	719 U	7056 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	357 U	NR	3880 U	350 U	359 U	3528 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	357 U	NR	3880 U	350 U	359 U	3528 U
2-NITROPHENOL	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	713 U	NR	7770 U	690 U	719 U	7056 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	713 U	NR	7770 U	690 U	719 U	7056 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
4-NITROPHENOL	UG/KG	NA	NA	NA	713 U	NR	7770 U	690 U	719 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
ANTHRACENE	UG/KG	100000	10000000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
BENZIDINE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	357 U	NR	3880 U	350 U	359 U	3528 U
BENZO(a)PYRENE	UG/KG	100000	660	660	357 U	NR	3880 U	350 U	359 U	3528 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	357 U	NR	3880 U	350 U	359 U	3528 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	357 U	NR	3880 U	350 U	359 U	3528 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	357 U	NR	3880 U	350 U	359 U	3528 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	350 U	NR	3528 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	357 U	NR	575 J	20 J	24.1 J	3528 U
CHRYSENE	UG/KG	500000	9000	40000	357 U	NR	3880 U	350 U	359 U	3528 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	357 U	NR	18100	52 J	117 J	2670 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296B-04 6/16/2000 0 - 2 ft.	SB-E9-2296C-01 3/31/2000 0 - 2 ft.	SB-E9-2296C-01 6/16/2000 0 - 2 ft.	SB-E9-2296D-01 3/21/2000 0 - 1.5 ft.	SB-E9-2296D-03 6/16/2000 0 - 2 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	357 U	NR	3880 U	350 U	359 U	3528 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	357 U	NR	1340 J	350 U	526	3528 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
FLUORENE	UG/KG	100000	2300000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	357 U	NR	3880 U	350 U	359 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	357 U	568 UJ	3880 U	350 U	359 U	3528 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	357 U	NR	3880 U	350 U	359 U	3528 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	357 U	NR	3880 U	350 U	359 U	3528 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	357 U	NR	3880 U	350 U	359 U	3528 U
ISOPHORONE	UG/KG	50000	1100000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	357 U	NR	3880 U	350 U	359 U	3528 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	357 U	NR	2450 J	350 U	188 J	2490 J
NAPHTHALENE	UG/KG	100000	230000	4200000	357 U	568 UJ	3880 U	350 U	359 U	3528 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	713 U	NR	7770 U	690 U	719 U	7056 U
PHENANTHRENE	UG/KG	NA	NA	NA	357 U	NR	3880 U	350 U	359 U	3528 U
PHENOL	UG/KG	50000	10000000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U
PYRENE	UG/KG	100000	1700000	10000000	357 U	NR	3880 U	350 U	359 U	3528 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-556-04 3/17/2000 0 - 1 ft.	SB-E9-558B-03 3/23/2000 0 - 1.5 ft.	SB-E9-560-03 3/17/2000 0 - 0.8 ft.	SB-E9-562-01 3/23/2000 0 - 1 ft.	SB-E9-6-01 3/23/2000 0 - 0.5 ft.	SB-E9-6-03 3/23/2000 0 - 0.5 ft.	SB-E9-6-04 3/23/2000 0 - 1 ft.	SB-E9-610-04 3/17/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 UJ	380 UJ	390 UJ	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	760 U	780 U	840 U	790 U	760 U	760 U	780 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	390 U	420 U	400 U	380 U	380 U	390 U	**1845 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	760 UJ	780 UJ	840 U	790 UJ	760 U	760 U	780 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	760 U	780 U	840 U	790 U	760 U	760 U	780 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	760 UJ	780 UJ	840 UJ	790 UJ	760 U	760 U	780 U	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	390 U	420 U	400 U	380 U	22 J	31 J	390 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	390 UJ	420 U	400 UJ	380 U	380 U	390 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	57 J	420 U	400 U	380 U	74 J	83 J	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	45 J	27 J	400 U	380 U	67 J	73 J	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	67 J	420 U	400 U	380 U	140 J	150 J	390 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 U	420 U	400 U	380 U	12000 *D	390 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	28 J	400 U	380 U	3000	69 J	20 J
CHRYSENE	UG/KG	500000	9000	40000	380 U	67 J	420 U	400 U	380 U	110 J	85 J	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	110 J	420 U	400 U	44 J	100 J	140 J	160 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-556-04 3/17/2000 0 - 1 ft.	SB-E9-558B-03 3/23/2000 0 - 1.5 ft.	SB-E9-560-03 3/17/2000 0 - 0.8 ft.	SB-E9-562-01 3/23/2000 0 - 1 ft.	SB-E9-6-01 3/23/2000 0 - 0.5 ft.	SB-E9-6-03 3/23/2000 0 - 0.5 ft.	SB-E9-6-04 3/23/2000 0 - 1 ft.	SB-E9-610-04 3/17/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 U	420 U	400 U	380 U	2700	390 U	390 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	390 U	420 U	400 U	210 J	270 J	550	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	100 J	420 U	400 U	380 U	330 J	190 J	390 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	390 U	420 U	400 U	380 UJ	380 UJ	390 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	390 U	420 U	400 U	160 J	210 J	560	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	760 U	780 U	840 U	790 U	760 U	760 U	780 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	40 J	37 J	400 U	380 U	64 J	83 J	390 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	390 U	420 U	400 U	380 U	380 U	390 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	390 U	420 U	400 U	380 U	180 J	120 J	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-A7-01 3/23/2000 0 - 1 ft.	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2096-07 3/21/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.	SB-F10-2145-04 3/23/2000 0 - 1 ft.	SB-F10-2162-02 6/23/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	4000 U	3800 U	3800 U	430 U	516 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	516 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	4000 U	3800 U	3800 U	430 U	NR
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	516 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	4000 U	3800 U	3800 U	430 U	516 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	4000 U	3800 U	3800 U	430 U	NR
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	4000 U	3800 U	3800 U	430 U	NR
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	7900 U	7700 U	7600 U	850 U	NR
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	4000 U	3800 U	3800 U	430 U	NR
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	4000 U	3800 U	3800 U	430 U	NR
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	7900 U	7700 U	7600 U	850 U	NR
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	7900 U	7700 U	7600 U	850 U	NR
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	7900 U	7700 U	7600 U	850 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	4000 U	3800 U	3800 U	150 J	NR
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	220 J	20661 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	4000 U	3800 U	3800 U	800	NR
BENZIDINE	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	31 J	**1200 J**	3800 U	280 J	**2900**	NR
BENZO(a)PYRENE	UG/KG	100000	660	660	28 J	**930 J**	3800 U	230 J	**2500**	NR
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	90 J	**1200 J**	3800 U	3800 U	**2800**	NR
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	1500	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	4000 U	3800 U	3800 U	**1000**	NR
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	1033 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	4000 U	3800 U	3800 U	430 U	NR
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	4000 U	3800 U	3800 U	430 U	NR
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	120 J	4000 U	3800 U	3800 U	430 U	NR
CHRYSENE	UG/KG	500000	9000	40000	66 J	1200 J	3800 U	3800 U	2700	NR
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	130 J	210 J	3800 U	3800 U	85 J	NR

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-A7-01 3/23/2000 0 - 1 ft.	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2096-07 3/21/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.	SB-F10-2145-04 3/23/2000 0 - 1 ft.	SB-F10-2162-02 6/23/2000 0 - 1.25 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	4000 U	3800 U	3800 U	480	NR
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	700	4000 U	3800 U	3800 U	430 U	NR
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
FLUORANTHENE	UG/KG	100000	2300000	10000000	83 J	1800 J	3800 U	3800 U	6200	NR
FLUORENE	UG/KG	100000	2300000	10000000	390 U	4000 U	3800 U	3800 U	600	NR
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	4000 U	3800 U	3800 U	430 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	4000 U	3800 U	3800 U	430 U	516 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	4000 U	3800 U	3800 U	430 U	NR
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	4000 U	3800 U	3800 U	430 U	NR
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	4000 U	3800 U	3800 U	**1200**	NR
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	4000 U	3800 U	3800 U	430 U	NR
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	4000 UJ	3800 UJ	3800 U	430 U	NR
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	280 J	4000 U	3800 U	3800 U	430 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	4000 U	3800 U	3800 U	40 J	516 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	7900 U	7700 U	7600 U	850 U	NR
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	580 J	3800 U	290 J	5200	NR
PHENOL	UG/KG	50000	10000000	10000000	390 U	4000 U	3800 U	3800 U	430 U	NR
PYRENE	UG/KG	100000	1700000	10000000	390 U	2000 J	3800 U	3800 U	7100 *D	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2162-04 3/30/2000 0 - 1 ft.	SB-F10-2222-01 3/30/2000 0.5 - 2.5 ft.	SB-F10-2222-02 3/30/2000 0.5 - 2.5 ft.	SB-F10-2289-01 3/16/2000 0 - 1 ft.	SB-F10-2323-02 3/17/2000 0 - 1 ft.	SB-F10-2323-05 3/17/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	550 U	580 U	530 U	390 U	440 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	550 U	580 U	530 U	390 U	440 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	550 U	580 U	530 U	390 U	440 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	550 U	580 U	530 U	390 U	440 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	NR	NR	390 U	440 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	NR	NR	390 U	440 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	NR	NR	390 U	440 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	NR	NR	780 U	880 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	NR	NR	390 U	440 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	NR	NR	390 U	440 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	NR	NR	780 U	880 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	780 U	880 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	NR	NR	390 U	440 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	NR	780 U	880 UJ	790 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	NR	NR	390 U	440 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	NR	NR	390 U	440 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	NR	NR	32 J	46 J	40 J
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	NR	NR	390 U	42 J	32 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	NR	NR	390 U	79 J	46 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	NR	NR	390 U	440 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	NR	NR	390 U	440 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	NR	NR	390 U	440 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	390 U	440 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	NR	NR	390 U	43 J	63 J
CHRYSENE	UG/KG	500000	9000	40000	NR	NR	NR	390 U	47 J	45 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	NR	NR	390 U	62 J	1500

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2162-04 3/30/2000 0 - 1 ft.	SB-F10-2222-01 3/30/2000 0.5 - 2.5 ft.	SB-F10-2222-02 3/30/2000 0.5 - 2.5 ft.	SB-F10-2289-01 3/16/2000 0 - 1 ft.	SB-F10-2323-02 3/17/2000 0 - 1 ft.	SB-F10-2323-05 3/17/2000 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	NR	NR	390 U	440 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	NR	NR	390 U	440 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR	NR	33 J	440 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	NR	NR	390 U	440 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	NR	NR	390 U	440 U	87 J
FLUORENE	UG/KG	100000	2300000	10000000	NR	NR	NR	390 U	440 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	NR	390 U	440 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	550 U	580 U	530 U	390 U	440 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	NR	NR	390 U	440 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	NR	NR	390 U	440 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	NR	NR	390 U	440 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	NR	NR	390 U	440 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	NR	NR	390 U	440 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	440 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	NR	390 U	440 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	550 U	580 U	530 U	390 U	440 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	NR	NR	780 U	880 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	NR	NR	32 J	26 J	42 J
PHENOL	UG/KG	50000	10000000	10000000	NR	NR	NR	390 U	440 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	NR	NR	NR	390 U	440 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2356-04 3/23/2000 0 - 0.5 ft.	SB-F10-2356-06 3/23/2000 0 - 2 ft.	SB-F10-2356-07 3/23/2000 0 - 1 ft.	SB-F10-3-01 3/31/2000 0 - 1.5 ft.	SB-F10-3-01 6/16/2000 0 - 1.5 ft.	SB-F10-3-07 3/31/2000 0 - 1 ft.	SB-F10-3-07 6/16/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3400 U	3500 U	3500 U	384 J	474 U	151 J	4690 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3400 U	3500 U	3500 U	207 J	474 U	619 UJ	4690 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3400 U	3500 U	3500 U	212 J	474 U	619 UJ	4690 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	474 U	NR	4690 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	6800 U	7100 U	7100 U	NR	949 U	NR	9370 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	6800 U	7100 U	7100 U	NR	949 U	NR	9370 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	6800 U	7100 U	7100 U	NR	949 U	NR	9370 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
4-NITROPHENOL	UG/KG	NA	NA	NA	6800 U	7100 U	7100 U	NR	949 U	NR	9370 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
BENZIDINE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3400 U	3500 U	3500 U	NR	474 U	NR	853 J
BENZO(a)PYRENE	UG/KG	100000	660	660	3400 U	3500 UJ	3500 U	NR	474 U	NR	**843 J**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3400 U	3500 UJ	3500 U	NR	474 U	NR	**1570 J**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3400 U	3500 UJ	3500 U	NR	474 U	NR	4690 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3400 U	3500 UJ	3500 U	NR	474 U	NR	4690 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3400 U	3500 U	3500 U	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
CHRYSENE	UG/KG	500000	9000	40000	3400 U	3500 U	3500 U	NR	84.9 J	NR	1170 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	656 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2356-04 3/23/2000 0 - 0.5 ft.	SB-F10-2356-06 3/23/2000 0 - 2 ft.	SB-F10-2356-07 3/23/2000 0 - 1 ft.	SB-F10-3-01 3/31/2000 0 - 1.5 ft.	SB-F10-3-01 6/16/2000 0 - 1.5 ft.	SB-F10-3-07 3/31/2000 0 - 1 ft.	SB-F10-3-07 6/16/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3400 U	3500 UJ	3500 U	NR	474 U	NR	4690 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3400 U	3500 UJ	3500 U	NR	474 U	NR	4690 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	2720 J
FLUORENE	UG/KG	100000	2300000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3400 U	3500 UJ	3500 U	NR	474 U	NR	4690 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3400 U	3500 U	3500 U	NR	418 J	NR	4690 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3400 U	3500 U	3500 U	410 J	474 U	147 J	4690 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	6800 U	7100 U	7000 U	NR	949 U	NR	9370 U
PHENANTHRENE	UG/KG	NA	NA	NA	3400 U	3500 U	3500 U	NR	101 J	NR	1580 J
PHENOL	UG/KG	50000	10000000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	4690 U
PYRENE	UG/KG	100000	1700000	10000000	3400 U	3500 U	3500 U	NR	474 U	NR	2170 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-460-01 3/16/2000 0 - 1 ft.	SB-F10-462-01 3/16/2000 0 - 2 ft.	SB-F10-464-01 3/16/2000 0 - 1 ft.	SB-F10-464-05 3/16/2000 0 - 1 ft.	SB-F10-5-01 3/31/2000 0 - 1.5 ft.	SB-F10-7-03 3/23/2000 0 - 1.5 ft.	SB-F10-8-01 3/21/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	430 U	490 U	540 U	NR	410 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	430 U	490 U	540 U	NR	410 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	870 U	980 U	1100 U	NR	820 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	430 U	490 U	540 U	NR	410 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	430 U	490 U	540 U	NR	410 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	870 U	980 U	1100 U	NR	820 UJ	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	870 U	980 U	1100 U	NR	820 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	870 U	980 U	1100 U	NR	820 UJ	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 UJ	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	430 U	100 J	110 J	NR	65 J	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	430 U	95 J	120 J	NR	35 J	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	430 U	130 J	170 J	NR	71 J	400 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	430 U	490 U	540 U	NR	410 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	430 U	490 U	540 U	NR	410 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	29 J	40 J	66 J	NR	21 J	42 J
CHRYSENE	UG/KG	500000	9000	40000	420 U	430 U	130 J	160 J	NR	76 J	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	430 U	44 J	96 J	NR	410 U	400 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-460-01 3/16/2000 0 - 1 ft.	SB-F10-462-01 3/16/2000 0 - 2 ft.	SB-F10-464-01 3/16/2000 0 - 1 ft.	SB-F10-464-05 3/16/2000 0 - 1 ft.	SB-F10-5-01 3/31/2000 0 - 1.5 ft.	SB-F10-7-03 3/23/2000 0 - 1.5 ft.	SB-F10-8-01 3/21/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	430 U	490 U	540 U	NR	410 U	400 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 U	170 J	560	NR	410 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	420 U	430 U	200 J	250 J	NR	83 J	400 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	430 U	490 U	540 U	NR	410 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	430 U	490 U	540 U	NR	410 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	430 U	490 U	540 U	NR	410 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	430 U	490 U	540 U	NR	410 U	400 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	430 U	490 U	540 U	NR	410 U	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	430 U	490 U	540 U	NR	410 U	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	430 U	110 J	290 J	NR	410 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	430 U	490 U	540 U	718 UJ	410 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	870 U	980 U	1100 U	NR	820 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	420 U	28 J	120 J	140 J	NR	410 U	400 U
PHENOL	UG/KG	50000	10000000	10000000	420 U	430 U	490 U	540 U	NR	410 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	430 U	190 J	220 J	NR	110 J	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8-04 6/16/2000 0 - 1 ft.	SB-F10-8237-04 3/17/2000 0 - 1 ft.	SB-F10-8237-05 3/17/2000 0 - 2 ft.	SB-F10-8274-02 3/17/2000 0 - 0.5 ft.	SB-F10-8274-04 3/17/2000 0 - 0.5 ft.	SB-F10-8564-01 3/17/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	364 U	460 U	410 U	430 U	430 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	364 U	460 U	410 UJ	430 UJ	430 UJ	420 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	364 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	364 U	460 U	410 U	430 U	430 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	364 U	460 U	410 U	430 U	430 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	729 U	930 U	820 U	870 U	850 U	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	364 U	460 U	410 U	430 U	430 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	364 U	460 U	410 U	430 U	430 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	729 U	930 U	820 U	870 U	850 U	840 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	729 U	930 U	820 U	870 U	850 U	840 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	729 U	930 UJ	820 UJ	870 UJ	850 UJ	840 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	26 J
ANTHRACENE	UG/KG	100000	10000000	10000000	364 U	460 U	410 U	430 U	77 J	41 J
BENZIDINE	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	364 U	61 J	40 J	63 J	280 J	240 J
BENZO(a)PYRENE	UG/KG	100000	660	660	364 U	62 J	46 J	46 J	250 J	230 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	364 U	460 U	410 U	84 J	300 J	310 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	130 J	130 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	364 U	460 U	410 U	430 U	130 J	100 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	364 U	6400	120 J	430 U	430 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	364 U	460 U	410 U	430 U	430 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	364 U	460 U	410 U	430 U	430 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	460 U	410 U	430 U	430 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	36.4 J	1400	43 J	860	60 J	420 U
CHRYSENE	UG/KG	500000	9000	40000	364 U	72 J	52 J	72 J	290 J	220 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	364 U	72 J	410 U	170 J	430 U	44 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8-04 6/16/2000 0 - 1 ft.	SB-F10-8237-04 3/17/2000 0 - 1 ft.	SB-F10-8237-05 3/17/2000 0 - 2 ft.	SB-F10-8274-02 3/17/2000 0 - 0.5 ft.	SB-F10-8274-04 3/17/2000 0 - 0.5 ft.	SB-F10-8564-01 3/17/2000 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	364 U	460 U	410 U	430 U	430 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	364 U	270 J	410 U	120 J	91 J	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	364 U	110 J	410 U	87 J	590	410 J
FLUORENE	UG/KG	100000	2300000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	364 U	460 U	410 U	430 U	430 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	364 U	460 U	410 U	430 U	430 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	364 U	460 U	410 U	430 U	430 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	364 U	460 U	410 U	430 U	430 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	364 U	460 U	410 U	430 U	110 J	110 J
ISOPHORONE	UG/KG	50000	1100000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	364 U	460 U	410 U	430 U	430 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	364 U	460 U	410 UJ	430 UJ	430 UJ	420 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	364 U	820	340 J	140 J	150 J	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	364 U	460 U	410 U	430 U	430 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	729 U	930 U	820 U	870 U	850 U	840 U
PHENANTHRENE	UG/KG	NA	NA	NA	364 U	56 J	34 J	430 U	300 J	140 J
PHENOL	UG/KG	50000	10000000	10000000	364 U	460 U	410 U	430 U	430 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	364 U	460 U	410 U	430 U	590	400 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8569-03 3/17/2000 0 - 1 ft.	SB-F11-2016-01 3/24/2000 0 - 1.5 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.	SB-F11-2016-07 3/24/2000 0 - 2 ft.	SB-F8-1-02 3/23/2000 0 - 2 ft.	SB-F8-2-01 3/23/2000 0 - 1.5 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	4100 UJ	4100 UJ	420 UJ	360 UJ	350 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	8100 U	8100 U	840 U	720 U	700 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	4100 U	**480 J**	420 U	360 U	350 U	**64400**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	8100 U	8100 UJ	840 UJ	720 U	700 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	8100 U	8100 U	840 U	720 U	700 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 UJ	8100 UJ	8100 UJ	840 UJ	720 U	700 UJ	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	42 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	4100 UJ	4100 UJ	420 UJ	360 U	350 UJ	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	72 J	4100 U	4100 U	150 J	360 U	350 U	200 J
BENZO(a)PYRENE	UG/KG	100000	660	660	81 J	4100 U	4100 U	110 J	20 J	350 U	200 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	98 J	4100 U	4100 U	210 J	360 U	350 U	340 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	4100 U	4100 U	420 U	360 U	350 U	150 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	750 J	4100 U	30 J	360 U	350 U	160 J
CHRYSENE	UG/KG	500000	9000	40000	80 J	4100 U	4100 U	120 J	360 U	350 U	210 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	4100 U	4100 U	55 J	360 UJ	45 J	240 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8569-03 3/17/2000 0 - 1 ft.	SB-F11-2016-01 3/24/2000 0 - 1.5 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.	SB-F11-2016-07 3/24/2000 0 - 2 ft.	SB-F8-1-02 3/23/2000 0 - 2 ft.	SB-F8-2-01 3/23/2000 0 - 1.5 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	4100 U	4100 U	420 U	360 U	350 U	390 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	6000	3700 J	270 J	360 U	350 U	1200
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	110 J	4100 U	4100 U	190 J	360 U	350 U	350 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	4100 UJ	4100 U	420 U	360 U	350 UJ	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	4100 UJ	4100 UJ	420 UJ	360 UJ	350 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	110 J	2500 J	1100 J	340 J	290 J	350 U	2300
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	8100 UJ	8100 U	840 U	720 U	700 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	24 J	4100 U	260 J	420 U	360 U	350 U	210 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	4100 U	4100 U	420 U	360 U	350 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	100 J	4100 U	4100 U	190 J	360 U	350 U	450

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2107-02 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2116-10 3/16/2000 0 - 0.5 ft.	SB-F8-2117-07 3/24/2000 0 - 1 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2118-10 3/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	3700 U	410 UJ	370 UJ	400 UJ	360 UJ	360 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	7400 U	820 U	750 U	790 U	720 U	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**52300 J**	**260 J**	370 U	400 U	**410**	**110 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	7400 U	820 U	750 U	790 UJ	720 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	7400 U	820 U	750 U	790 U	720 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	7400 U	820 U	750 U	790 UJ	720 U	720 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	75 J	3700 U	410 U	370 U	400 U	360 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	23 J	3700 U	410 U	370 U	400 U	360 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	510	3700 U	410 U	370 U	400 U	360 U	360 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 UJ	360 U	360 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**3400**	3700 U	57 J	31 J	400 U	29 J	33 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**2200 J**	3700 U	51 J	37 J	400 U	360 U	34 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**3200 J**	3700 U	84 J	370 U	400 U	360 U	360 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	1800 J	3700 U	410 U	370 U	400 U	360 U	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1200 J**	3700 U	410 U	370 U	400 U	360 U	360 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	3700 U	98 J	26 J	530	36 J	27 J
CHRYSENE	UG/KG	500000	9000	40000	4400	3700 U	52 J	37 J	400 U	360 U	360 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	51 J	450 J	1300	64 J	120 J	570 J	79 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2107-02 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2116-10 3/16/2000 0 - 0.5 ft.	SB-F8-2117-07 3/24/2000 0 - 1 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2118-10 3/23/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	3700 U	410 U	370 U	400 U	360 U	360 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	480 J	3700 U	410 U	370 U	400 U	360 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	76 J	2600 J	4300	81 J	400 U	2200	86 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	2200	3700 U	100 J	370 U	400 U	50 J	360 U
FLUORENE	UG/KG	100000	2300000	10000000	84 J	3700 U	410 U	370 U	400 U	360 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	3700 U	410 U	370 U	400 U	360 U	360 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1400 J**	3700 U	410 U	370 U	400 U	360 U	360 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	3700 U	410 UJ	370 UJ	400 UJ	360 UJ	360 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	300 J	5500	3300	390	590	1400	310 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	7400 U	820 U	750 U	790 U	720 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	3000	3700 U	63 J	370 U	400 U	25 J	360 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	3700 U	410 U	370 U	400 U	360 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	8900 *D	3700 U	410 U	370 U	400 U	360 U	360 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2144-03 3/21/2000 0 - 1.5 ft.	SB-F8-2144-06 3/21/2000 0 - 2 ft.	SB-F8-2150-02 3/16/2000 0 - 0.5 ft.	SB-F8-2150-05 3/16/2000 0 - 0.75 ft.	SB-F8-2151-01 3/23/2000 0 - 2 ft.	SB-F8-2151-06 3/23/2000 0 - 2 ft.	SB-F8-2152-02 3/23/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	4200 U	420 U	400 UJ	430 UJ	360 UJ	370 UJ	360 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	8400 U	840 U	790 U	870 U	720 U	740 U	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	4200 U	420 U	400 U	430 U	360 U	370 U	**83 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	8400 U	840 U	790 U	870 U	720 U	740 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	8400 U	840 U	790 U	870 U	720 U	740 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	8400 U	840 U	790 U	870 U	720 UJ	740 UJ	720 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
BENZIDINE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 UJ	370 UJ	360 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	4200 U	420 U	400 U	430 U	360 U	30 J	360 U
BENZO(a)PYRENE	UG/KG	100000	660	660	4200 U	420 U	25 J	68 J	360 U	22 J	26 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	4200 U	420 U	400 U	90 J	360 U	370 U	360 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4200 U	420 U	35 J	430 U	360 U	370 U	40 J
CHRYSENE	UG/KG	500000	9000	40000	4200 U	420 U	400 U	430 U	360 U	36 J	360 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	4200 U	420 U	85 J	430 U	360 U	370 U	160 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2144-03 3/21/2000 0 - 1.5 ft.	SB-F8-2144-06 3/21/2000 0 - 2 ft.	SB-F8-2150-02 3/16/2000 0 - 0.5 ft.	SB-F8-2150-05 3/16/2000 0 - 0.75 ft.	SB-F8-2151-01 3/23/2000 0 - 2 ft.	SB-F8-2151-06 3/23/2000 0 - 2 ft.	SB-F8-2152-02 3/23/2000 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 J	420 U	410	430 U	360 U	370 U	88 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
FLUORENE	UG/KG	100000	2300000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	4200 U	420 U	400 U	430 U	360 UJ	370 UJ	360 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
ISOPHORONE	UG/KG	50000	1100000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	4200 UJ	420 UJ	400 UJ	430 UJ	360 UJ	370 UJ	360 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2000 J	420 U	520	430 U	360 U	370 U	220 J
NAPHTHALENE	UG/KG	100000	230000	4200000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	8400 U	840 U	790 U	870 U	720 U	740 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	4200 U	420 U	400 U	430 U	360 U	370 U	26 J
PHENOL	UG/KG	50000	10000000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	4200 U	420 U	400 U	430 U	360 U	370 U	360 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2207-01 3/23/2000 0 - 2 ft.	SB-F8-2207-03 3/23/2000 0 - 0.5 ft.	SB-F8-2208-01 3/23/2000 0 - 1.5 ft.	SB-F8-2208-03 3/23/2000 0 - 2 ft.	SB-F8-3-01 3/23/2000 0 - 0.5 ft.	SB-F8-4-02 3/23/2000 0 - 0.5 ft.	SB-F8-563D-02 3/23/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 UJ	400 UJ	380 U	370 UJ	410 UJ	410 UJ	430 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 U	790 U	770 U	730 U	810 U	810 U	850 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	400 U	380 U	370 U	410 U	410 U	**41 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 U	790 U	770 U	730 U	810 U	810 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	740 U	790 U	770 U	730 U	810 U	810 U	850 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	740 U	790 U	770 UJ	730 U	810 UJ	810 UJ	850 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	240 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	610
BENZIDINE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 UJ	410 U	430 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 U	400 U	380 U	370 U	29 J	48 J	**1700**
BENZO(a)PYRENE	UG/KG	100000	660	660	370 U	400 U	380 U	370 U	31 J	39 J	**1400**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 U	400 U	380 U	370 U	410 U	410 U	**1600**
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	760
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 U	400 U	380 U	370 U	410 U	410 U	570
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	410 U	410 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	170 J	31 J	22 J	24 J	46 J
CHRYSENE	UG/KG	500000	9000	40000	370 U	400 U	380 U	370 U	39 J	410 U	1400
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 UJ	400 UJ	380 U	370 UJ	190 J	120 J	220 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2207-01 3/23/2000 0 - 2 ft.	SB-F8-2207-03 3/23/2000 0 - 0.5 ft.	SB-F8-2208-01 3/23/2000 0 - 1.5 ft.	SB-F8-2208-03 3/23/2000 0 - 2 ft.	SB-F8-3-01 3/23/2000 0 - 0.5 ft.	SB-F8-4-02 3/23/2000 0 - 0.5 ft.	SB-F8-563D-02 3/23/2000 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	400 U	380 U	370 U	410 U	410 U	200 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	400 U	380 U	370 U	140 J	52 J	290 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 U	400 U	380 U	370 U	410 U	85 J	3400
FLUORENE	UG/KG	100000	2300000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	220 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	400 U	380 U	370 U	410 UJ	410 UJ	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 U	400 U	380 U	370 U	410 U	410 U	660
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	400 U	380 U	370 U	410 U	410 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	400 UJ	380 U	370 UJ	410 UJ	410 UJ	430 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	400 U	200 J	370 U	340 J	120 J	1200
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	400 U	380 U	370 U	410 U	410 U	32 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	740 U	790 U	770 U	730 U	810 U	810 U	850 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 U	400 U	380 U	370 U	33 J	31 J	2300
PHENOL	UG/KG	50000	10000000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	370 U	400 U	380 U	370 U	410 U	410 U	3700

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-567-05 3/16/2000 0 - 0.5 ft.	SB-F8-573-02 7/14/2000 0 - 1 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F8-A5-03 3/21/2000 0 - 0.5 ft.	SB-F8-A9-02 3/23/2000 0 - 0.5 ft.	SB-F9-1-01 6/23/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	378 UJ	390 UJ	380 U	390 U	3700 U	390 U	374 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 UJ	378 UJ	390 UJ	380 UJ	390 UJ	3700 U	390 U	374 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	390 UJ	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 U	756 U	780 UJ	770 U	780 U	7500 U	780 UJ	748 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	378 U	**390 J**	**69300 #D**	390 U	3700 U	390 U	**270 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	NR	390 UJ	380 U	390 U	3700 U	390 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	756 U	780 UJ	770 U	780 U	7500 U	780 U	748 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	756 U	780 UJ	770 U	780 U	7500 U	780 U	748 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	378 UJ	390 UJ	380 U	390 U	3700 U	390 U	374 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	378 UJ	390 UJ	380 U	390 U	3700 U	390 U	374 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 U	NR	780 UJ	770 U	780 UJ	7500 U	780 UJ	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
ANTHRACENE	UG/KG	100000	10000000	10000000	28 J	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
BENZIDINE	UG/KG	NA	NA	NA	410 U	378 UJ	390 UJ	380 UJ	390 UJ	3700 U	390 U	374 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	150 J	60.1 J	390 UJ	95 J	61 J	3700 U	98 J	146 J
BENZO(a)PYRENE	UG/KG	100000	660	660	130 J	45.4 J	390 UJ	96 J	56 J	3700 U	88 J	162 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	160 J	378 U	390 UJ	380 UJ	140 J	3700 U	100 J	203 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	390 UJ	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	378 U	NR	380 UJ	390 U	3700 U	390 U	112 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	378 U	390 UJ	180 J	390 U	3700 U	390 U	374 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	378 UJ	390 UJ	380 U	390 U	3700 U	390 U	374 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	378 U	NR	380 U	390 U	3700 U	390 U	374 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	46 J	378 U	390 UJ	25 J	390 U	3700 U	30 J	374 UJ
CHRYSENE	UG/KG	500000	9000	40000	120 J	378 U	390 UJ	74 J	84 J	3700 U	99 J	129 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	64 J	378 U	350 UJ	45 J	61 J	620 J	44 J	1040 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-567-05 3/16/2000 0 - 0.5 ft.	SB-F8-573-02 7/14/2000 0 - 1 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F8-A5-03 3/21/2000 0 - 0.5 ft.	SB-F8-A9-02 3/23/2000 0 - 0.5 ft.	SB-F9-1-01 6/23/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	378 U	390 UJ	380 UJ	390 U	3700 U	390 U	374 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	378 U	390 UJ	380 UJ	390 U	3700 U	390 U	374 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 J	378 U	420 J	120 J	730	1200 J	47 J	1120 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	260 J	97.6 J	390 UJ	160 J	170 J	3700 U	140 J	213 J
FLUORENE	UG/KG	100000	2300000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	NR	390 UJ	380 U	390 UJ	3700 U	390 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	378 UJ	390 UJ	380 U	390 U	3700 U	390 U	374 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	378 U	390 UJ	380 UJ	390 U	3700 U	390 U	74.82 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	**1500**	390 UJ	380 U	390 U	3700 U	390 U	374 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 UJ	378 UJ	390 UJ	380 UJ	390 UJ	3700 UJ	390 U	374 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	130 J	NR	930 J	1900	1100	2700 J	170 J	754
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	756 U	780 UJ	770 U	190 J	7500 U	780 U	748 U
PHENANTHRENE	UG/KG	NA	NA	NA	72 J	378 U	390 UJ	83 J	56 J	3700 U	66 J	77.82 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	378 U	390 UJ	380 U	390 U	3700 U	390 U	374 U
PYRENE	UG/KG	100000	1700000	10000000	220 J	87 J	390 UJ	180 J	100 J	3700 U	180 J	193 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-16-05 12/21/1999 0 - 1.5 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105A-01 12/21/1999 0 - 1 ft.	B-F9-2105A-0 4/18/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	420 UJ	370 UJ	NR	NR	390 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	840 UJ	750 UJ	780 U	780 U	780 U	7500 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**220 J**	**240 J**	370 UJ	**1557 J**	390 U	**160 J**	**370 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	840 UJ	750 UJ	780 U	780 U	780 U	7500 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	840 UJ	750 UJ	780 U	780 U	780 U	7500 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	840 UJ	750 UJ	780 UJ	780 UJ	780 U	7500 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	20 J	3700 U
ANTHRACENE	UG/KG	100000	10000000	10000000	25 J	420 UJ	370 UJ	390 U	390 U	41 J	3700 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 U	3700 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	77 J	64 J	370 UJ	44 J	390 U	130 J	3700 U
BENZO(a)PYRENE	UG/KG	100000	660	660	98 J	79 J	370 UJ	37 J	390 U	180 J	3700 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	220 J	170 J	370 UJ	390 U	390 U	400 J	3700 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	420 UJ	370 UJ	NR	NR	390 UJ	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	NR	NR	390 U	390 U	NR	3700 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	420 UJ	370 UJ	390 U	390 U	100 J	3700 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	NR	NR	390 U	390 U	NR	3700 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	80 J	27 UJ	25 J	1100	280 J	3700 U
CHRYSENE	UG/KG	500000	9000	40000	120 J	76 J	370 UJ	40 J	390 U	170 J	3700 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	41 U	330 UJ	370 UJ	40 J	2200	520 UJ	330 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-16-05 12/21/1999 0 - 1.5 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105A-01 12/21/1999 0 - 1 ft.	B-F9-2105A-0 4/18/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	97 J	660 J	370 UJ	220 J	500	390 J	3700 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	420 UJ	370 UJ	390 U	760	390 UJ	3700 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	160 J	130 J	370 UJ	390 U	390 U	320 J	3700 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	420 UJ	370 UJ	390 U	390 U	75 J	3700 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2300	1200 J	76 J	750	1700	780 J	3200 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	840 UJ	750 UJ	780 U	780 U	780 UJ	7500 U
PHENANTHRENE	UG/KG	NA	NA	NA	120 J	68 J	370 UJ	26 J	22 J	220 J	3700 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	420 UJ	370 UJ	390 U	390 U	390 UJ	3700 U
PYRENE	UG/KG	100000	1700000	10000000	150 J	110 J	370 UJ	390 U	390 U	340 J	3700 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2105B-01 3/23/2000 0 - 1 ft.	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-01 7/12/2000 0 - 1 ft.	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.	SB-F9-2109C-05 3/21/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	7800 U	7467 UJ	7205 UJ	7206 UJ	7800 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	**115300 *D**	3827 U	**976 J**	**699 J**	**40500 J**	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	3900 U	NR	NR	NR	3900 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	7800 U	7467 U	7205 UJ	7206 U	7800 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	7800 U	7467 U	7205 UJ	7206 U	7800 U	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 UJ	7800 U	NR	NR	NR	7800 U	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	35 J
BENZIDINE	UG/KG	NA	NA	NA	390 U	3900 UJ	3827 U	3603 UJ	3603 U	3900 U	410 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	56 J	**1100 J**	3827 U	3603 UJ	3603 UJ	3900 U	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	56 J	**1000 J**	3827 U	3603 UJ	3603 UJ	3900 U	130 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	74 J	**1700 J**	3827 U	3603 UJ	3603 UJ	3900 U	160 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	3900 UJ	3827 U	3603 UJ	3603 UJ	3900 U	410 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	3900 U	3827 U	3603 UJ	3603 UJ	3900 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	48 J	1000 J	3827 U	667 J	3603 U	3900 U	23 J
CHRYSENE	UG/KG	500000	9000	40000	67 J	1000 J	3827 U	3603 UJ	3603 U	3900 U	120 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	130 J	1400 J	857 J	4090 J	3603 U	3900 U	36 J

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2105B-01 3/23/2000 0 - 1 ft.	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-01 7/12/2000 0 - 1 ft.	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.	SB-F9-2109C-05 3/21/2000 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 UJ	3900 U	410 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	3900 UJ	3827 U	3603 UJ	3603 UJ	3900 U	410 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	2000 J	5610	13300 J	1500 J	590 J	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	100 J	1500 J	727 J	3603 UJ	3603 U	3900 U	250 J
FLUORENE	UG/KG	100000	2300000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	3900 U	NR	NR	NR	3900 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	3900 U	3827 UJ	3603 UJ	3603 UJ	3900 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	3900 UJ	3827 U	3603 UJ	3603 UJ	3900 U	410 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	3900 UJ	3827 U	3603 UJ	3603 U	3900 U	410 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	3900 UJ	3827 U	3603 UJ	3603 U	3900 U	410 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	71 J	8700	2440 J	814 J	2090 J	2000 J	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	7800 U	7467 U	7205 UJ	7206 U	7800 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	50 J	540 J	3827 U	3603 UJ	3603 U	3900 U	140 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	3900 U	3827 U	3603 UJ	3603 U	3900 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	100 J	1400 J	3827 U	3603 UJ	3603 U	3900 U	240 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109D-02 12/21/1999 0 - 1 ft.	SB-F9-2109D-03 12/21/1999 0 - 1 ft.	SB-F9-2251-01 6/29/2000 0 - 1 ft.	SB-F9-2251-03 3/24/2000 0 - 0.5 ft.	SB-F9-2276-03 3/16/2000 0 - 1.5 ft.	SB-F9-2279-02 3/16/2000 0 - 2 ft.	SB-F9-4-01 3/30/2000 0 - 1 ft.
SVOCS											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 U	380 UJ	390 UJ	370 UJ	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 UJ	400 UJ	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 UJ	790 UJ	817 U	770 U	780 U	740 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 UJ	**61 J**	**250 J**	380 U	390 U	370 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 UJ	400 UJ	NR	380 U	390 U	370 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 UJ	790 UJ	817 UJ	770 UJ	780 U	740 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 UJ	790 UJ	817 U	770 U	780 U	740 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 UJ	790 UJ	NR	770 UJ	780 U	740 U	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	18 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 UJ	400 UJ	51.1 J	380 U	390 U	370 U	24 J
ANTHRACENE	UG/KG	100000	10000000	10000000	380 UJ	400 UJ	70.2 J	380 U	390 U	370 U	52 J
BENZIDINE	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 UJ	380 UJ	390 U	370 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 UJ	43 J	297 J	36 J	390 U	370 U	200 J
BENZO(a)PYRENE	UG/KG	100000	660	660	380 UJ	52 J	242 J	380 U	390 U	370 U	180 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 UJ	110 J	423	380 U	390 U	370 U	260 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	380 UJ	400 UJ	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	217 J	380 U	390 U	370 U	100 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 UJ	400 UJ	196 J	380 U	390 U	370 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	400 U	408 U	83 J	390 U	370 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	408 U	380 U	390 U	370 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	26 J	52 J	408 U	130 J	390 U	31 J	19 U
CHRYSENE	UG/KG	500000	9000	40000	380 UJ	57 J	338 J	380 U	390 U	370 U	180 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 UJ	400 UJ	163 J	120 J	390 U	370 U	400 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109D-02 12/21/1999 0 - 1 ft.	SB-F9-2109D-03 12/21/1999 0 - 1 ft.	SB-F9-2251-01 6/29/2000 0 - 1 ft.	SB-F9-2251-03 3/24/2000 0 - 0.5 ft.	SB-F9-2276-03 3/16/2000 0 - 1.5 ft.	SB-F9-2279-02 3/16/2000 0 - 2 ft.	SB-F9-4-01 3/30/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 UJ	400 UJ	58.8 J	470	390 U	370 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 UJ	400 UJ	562	380 U	390 U	370 U	500
FLUORENE	UG/KG	100000	2300000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	26 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 UJ	400 UJ	NR	380 U	390 U	370 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 UJ	400 UJ	408 UJ	380 U	390 U	370 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 UJ	400 UJ	208 J	380 U	390 U	370 U	100 J
ISOPHORONE	UG/KG	50000	1100000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 UJ	400 UJ	128 J	380 U	390 U	370 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 UJ	400 UJ	408 UJ	380 UJ	390 UJ	370 UJ	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 UJ	700 J	NR	240 J	390 U	370 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 UJ	790 UJ	817 U	770 U	780 U	740 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 UJ	32 J	383 J	380 U	390 U	370 U	350 J
PHENOL	UG/KG	50000	10000000	10000000	380 UJ	400 UJ	408 U	380 U	390 U	370 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	380 UJ	400 UJ	719	380 U	390 U	370 U	360 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-558A-01 3/23/2000 0 - 1 ft.	SB-F9-563-01 3/16/2000 0 - 0.67 ft.	SB-F9-611-02 3/16/2000 0 - 0.5 ft.	SB-F9-7-03 12/21/1999 0 - 1 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.	SB-F9-8-05 3/17/2000 0 - 1 ft.	SB-F9-8188-01 12/21/1999 0 - 1 ft.
SVOCS												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 UJ	400 U	410 UJ	400 UJ	390 UJ	410 UJ	430 UJ	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 UJ	NR	NR	NR	390 UJ	NR	NR	390 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 UJ	790 U	810 U	790 U	780 UJ	810 U	850 U	780 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**460 J**	400 U	410 U	**50 J**	390 UJ	**1143 J**	**410 J**	390 UJ
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 UJ	790 UJ	810 U	790 U	780 UJ	810 U	850 U	780 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 UJ	790 U	810 U	790 U	780 UJ	810 U	850 U	780 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	780 UJ	790 UJ	810 U	790 U	780 UJ	810 UJ	850 UJ	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	400 UJ	410 U	400 U	390 UJ	410 U	430 U	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	69 J	35 J	39 J	100 J	390 UJ	36 J	430 U	48 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 UJ	29 J	38 J	94 J	390 UJ	26 J	430 U	55 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	190 J	400 U	410 U	130 J	390 UJ	410 U	430 U	81 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	390 UJ	NR	NR	NR	390 UJ	NR	NR	390 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	400 U	410 U	400 U	NR	410 U	430 U	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	98 J	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	400 U	410 U	400 U	NR	410 U	430 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	170 J	23 J	43 J	41 J	390 UJ	27 J	21 J	67 J
CHRYSENE	UG/KG	500000	9000	40000	83 J	400 U	39 J	92 J	390 UJ	52 J	430 U	50 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3200 J	93 J	86 J	94 J	390 UJ	150 J	430 U	150 UJ

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-558A-01 3/23/2000 0 - 1 ft.	SB-F9-563-01 3/16/2000 0 - 0.67 ft.	SB-F9-611-02 3/16/2000 0 - 0.5 ft.	SB-F9-7-03 12/21/1999 0 - 1 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.	SB-F9-8-05 3/17/2000 0 - 1 ft.	SB-F9-8188-01 12/21/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	4200 J	400 U	200 J	65 J	390 UJ	410 U	430 U	240 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	92 J	400 U	410 U	150 J	390 UJ	410 U	430 U	87 UJ
FLUORENE	UG/KG	100000	2300000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 UJ	400 U	410 UJ	400 UJ	390 UJ	410 UJ	430 UJ	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	910 UJ	120 J	120 J	83 J	390 UJ	110 J	430 U	2300 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 UJ	790 U	810 U	790 U	780 UJ	810 U	850 U	780 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	24 J	23 J	24 J	84 J	390 UJ	410 U	430 U	40 J
PHENOL	UG/KG	50000	10000000	10000000	390 UJ	400 U	410 U	400 U	390 UJ	410 U	430 U	390 UJ
PYRENE	UG/KG	100000	1700000	10000000	390 UJ	400 U	410 U	130 J	390 UJ	410 U	430 U	100 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-9-01 3/17/2000 0 - 0.5 ft.	SB-F9-9-05 3/17/2000 0 - 0.5 ft.	SB-F9-A10-03 3/21/2000 0 - 0.5 ft.	SB-F9-A3-02 3/23/2000 0 - 1.5 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A5-01 3/23/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.	SB-F9-C1-04 12/21/1999 0 - 1.3 ft.
SVOCS												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	460 UJ	3900 U	410 U	420 U	420 U	410 U	380 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	380 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	910 U	7800 U	810 U	830 U	840 UJ	820 U	760 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**3498 J**	460 U	3900 U	410 U	**713 J**	420 U	**250 J**	**120 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	910 U	7800 U	810 U	830 U	840 U	820 U	760 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	910 U	7800 U	810 U	830 U	840 U	820 U	760 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	800 UJ	910 UJ	7800 U	810 UJ	830 UJ	840 UJ	820 UJ	760 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	460 U	3900 U	410 U	240 J	420 U	410 U	380 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	24 J	420 U	410 U	380 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	460 U	3900 U	66 J	530	34 J	49 J	380 UJ
BENZIDINE	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	58 J	58 J	320 J	320 J	**2400**	270 J	120 J	61 J
BENZO(a)PYRENE	UG/KG	100000	660	660	47 J	50 J	280 J	270 J	**2200**	250 J	110 J	69 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	65 J	75 J	3900 U	350 J	**3100**	310 J	140 J	120 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	380 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	460 U	3900 U	150 J	1100	180 J	410 U	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	460 U	3900 U	130 J	**1100**	420 U	410 U	380 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	19 J	460 U	3900 U	410 U	100 J	24 J	29 J	68 J
CHRYSENE	UG/KG	500000	9000	40000	48 J	48 J	3900 U	260 J	2700	280 J	120 J	63 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	69 J	44 J	3900 U	78 J	670	54 J	47 J	4400 UJ

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-9-01 3/17/2000 0 - 0.5 ft.	SB-F9-9-05 3/17/2000 0 - 0.5 ft.	SB-F9-A10-03 3/21/2000 0 - 0.5 ft.	SB-F9-A3-02 3/23/2000 0 - 1.5 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A5-01 3/23/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.	SB-F9-C1-04 12/21/1999 0 - 1.3 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	460 U	3900 U	410 U	280 J	420 U	410 U	380 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	460 U	3900 U	410 U	70 J	420 U	410 U	100 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	96 J	460 U	3900 U	460	6300	390 J	270 J	120 UJ
FLUORENE	UG/KG	100000	2300000	10000000	400 U	460 U	3900 U	410 U	280 J	420 U	410 U	380 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	460 U	3900 U	130 J	**1000**	150 J	410 U	380 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	460 U	3900 U	410 U	420 U	420 U	410 U	380 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	460 UJ	3900 UJ	410 U	420 U	420 U	410 U	380 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	160 J	460 U	2100 J	170 J	170 J	160 J	100 J	1800 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	460 U	3900 U	410 U	55 J	420 U	410 U	380 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	910 U	7800 U	810 U	830 U	840 U	820 U	760 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	49 J	460 U	350 J	150 J	4400	180 J	200 J	67 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	460 U	3900 U	410 U	420 U	580	410 U	380 UJ
PYRENE	UG/KG	100000	1700000	10000000	400 U	460 U	3900 U	460	6300	430	280 J	100 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-1-01 12/16/1999 0 - 1 ft.	SB-G7-2-01 4/20/2000 0 - 1 ft.	SB-G7-2-04 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.
SVOCS											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 UJ	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 U	NR	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	880 UJ	940 U	870 UJ	1000 UJ	880 UJ	840 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**69 J**	440 UJ	470 U	**240 J**	**1000 J**	**150 J**	**540 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	880 UJ	940 U	870 UJ	1000 UJ	880 UJ	840 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 UJ	880 UJ	940 UJ	870 UJ	1000 UJ	880 UJ	840 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	760 U	880 UJ	940 U	870 UJ	1000 UJ	880 UJ	840 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	31 J	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	28 J	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
BENZIDINE	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	220 J	65 J	100 J	36 J	43 J	440 UJ	110 J
BENZO(a)PYRENE	UG/KG	100000	660	660	200 J	68 J	90 J	430 UJ	500 UJ	440 UJ	120 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	300 J	110 J	180 J	430 UJ	500 UJ	440 UJ	380 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	380 UJ	NR	470 UJ	430 UJ	500 UJ	440 UJ	420 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	440 UJ	NR	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	120 J	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	440 UJ	470 U	430 U	500 UJ	440 UJ	420 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	440 UJ	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	51 J	82 UJ	49 J	150 J	150 J	440 UJ	420 UJ
CHRYSENE	UG/KG	500000	9000	40000	210 J	87 J	130 J	430 UJ	500 UJ	440 UJ	190 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 J	110 UJ	55 J	5100 J	6200 J	670 J	420 UJ

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-1-01 12/16/1999 0 - 1 ft.	SB-G7-2-01 4/20/2000 0 - 1 ft.	SB-G7-2-04 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 UJ	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	330 J	57 J	70 J	1000 J	3900 J	200 J	54 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	340 J	170 J	220 J	430 UJ	500 UJ	440 UJ	240 J
FLUORENE	UG/KG	100000	2300000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 UJ	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 UJ	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	480	440 UJ	470 U	700 J	3700 J	1600 J	290 J
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	440 UJ	470 UJ	430 UJ	500 UJ	440 UJ	420 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	880 UJ	940 U	870 UJ	1000 UJ	880 UJ	840 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	94 J	120 J	150 J	430 UJ	500 UJ	440 UJ	78 J
PHENOL	UG/KG	50000	10000000	10000000	380 U	440 UJ	470 U	430 UJ	500 UJ	440 UJ	420 UJ
PYRENE	UG/KG	100000	1700000	10000000	310 J	150 J	200 J	430 UJ	500 UJ	440 UJ	220 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2149-04 12/21/1999 0 - 1 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2148-02 12/17/1999 0 - 1 ft.
SVOCS										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 UJ	810 UJ	790 UJ	730 UJ	850 UJ	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 UJ	**130 J**	**600 J**	**1015 J**	**840 J**	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 UJ	810 UJ	790 UJ	730 UJ	850 UJ	780 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 UJ	810 UJ	790 UJ	730 UJ	850 UJ	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 UJ	810 UJ	790 UJ	730 UJ	850 UJ	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 UJ	410 UJ	31 J	370 UJ	430 UJ	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 UJ	30 J	49 J	370 UJ	430 UJ	390 U
BENZIDINE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	71 J	130 J	250 J	370 UJ	430 UJ	57 J
BENZO(a)PYRENE	UG/KG	100000	660	660	420 UJ	95 J	250 J	370 UJ	430 UJ	59 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	200 J	150 J	**1800 J**	59 J	160 J	130 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	120 J	410 UJ	530 J	370 UJ	430 UJ	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 UJ	410 UJ	400 UJ	190 J	430 UJ	390 UJ
CHRYSENE	UG/KG	500000	9000	40000	130 J	120 J	350 J	370 UJ	140 J	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 UJ	680 J	7600 J	940 J	260 UJ	390 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2149-04 12/21/1999 0 - 1 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2148-02 12/17/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	410 UJ	490 J	2600 J	280 J	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	180 J	280 J	490 J	370 UJ	85 UJ	190 J
FLUORENE	UG/KG	100000	2300000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 UJ	410 UJ	340 J	370 UJ	430 UJ	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	130 J	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	360 J	210 J	580 J	310 J	670 J	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 UJ	810 UJ	790 UJ	730 UJ	850 UJ	780 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	62 J	180 J	82 J	370 UJ	140 J	84 J
PHENOL	UG/KG	50000	10000000	10000000	420 UJ	410 UJ	400 UJ	370 UJ	430 UJ	390 U
PYRENE	UG/KG	100000	1700000	10000000	140 J	300 J	430 J	370 UJ	430 UJ	130 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2204-03 6/16/2000 0 - 1 ft.	SB-G8-2204-05 12/17/1999 0 - 1 ft.	SB-G8-2209-01 3/23/2000 0 - 1 ft.	SB-G8-2209-05 3/23/2000 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.	SB-G8-2210-03 12/17/1999 0 - 1.5 ft.
SVOCS										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	384 U	360 UJ	NR	NR	380 UJ	370 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	768 U	720 UJ	790 U	730 U	770 UJ	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	384 U	360 UJ	400 U	370 U	**43 J**	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	768 U	720 UJ	790 U	730 U	770 UJ	740 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	768 U	720 UJ	790 U	730 U	770 UJ	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	768 U	720 UJ	790 UJ	730 UJ	770 UJ	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
BENZIDINE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	61.1 J	360 UJ	400 U	36 J	380 UJ	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	76.8 J	360 UJ	400 U	35 J	380 UJ	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	192 J	360 UJ	400 U	370 U	63 J	370 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	360 UJ	NR	NR	380 UJ	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	384 U	NR	400 U	370 U	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	400 U	370 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	384 U	360 UJ	27 J	27 J	380 UJ	370 UJ
CHRYSENE	UG/KG	500000	9000	40000	102 J	360 UJ	400 U	370 U	380 UJ	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2204-03 6/16/2000 0 - 1 ft.	SB-G8-2204-05 12/17/1999 0 - 1 ft.	SB-G8-2209-01 3/23/2000 0 - 1 ft.	SB-G8-2209-05 3/23/2000 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.	SB-G8-2210-03 12/17/1999 0 - 1.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	190 J
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	384 U	360 UJ	400 U	370 U	380 UJ	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	384 U	360 UJ	400 U	47 J	380 UJ	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	79.5 J	360 UJ	400 U	370 U	380 UJ	370 U
FLUORENE	UG/KG	100000	2300000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	384 U	360 UJ	400 U	370 U	380 UJ	370 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	384 U	360 UJ	400 U	370 U	380 UJ	370 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	384 U	360 UJ	400 U	370 U	380 UJ	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	384 U	360 UJ	400 U	370 U	380 UJ	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	384 U	360 UJ	400 U	700	380 UJ	68 J
NAPHTHALENE	UG/KG	100000	230000	4200000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	768 U	720 UJ	790 U	730 U	770 UJ	740 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	49.6 J	360 UJ	400 U	370 U	380 UJ	370 U
PHENOL	UG/KG	50000	10000000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U
PYRENE	UG/KG	100000	1700000	10000000	384 U	360 UJ	400 U	370 U	380 UJ	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2249-01 12/17/1999 0 - 1 ft.	SB-G8-2249-01 6/16/2000 0 - 1 ft.	SB-G8-2260-01 12/17/1999 0 - 1 ft.	SB-G8-3-02 7/14/2000 0 - 1.25 ft.	SB-G8-C3-02 12/17/1999 0 - 1 ft.	SB-G9-2108-02 12/21/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.
SVOCS											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 UJ	387 U	360 UJ	368 UJ	390 UJ	430 UJ	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 U	387 U	360 U	NR	390 UJ	430 UJ	390 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	773 U	720 U	737 U	780 UJ	850 UJ	780 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	387 U	360 U	368 U	390 UJ	430 UJ	**120 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	387 U	360 U	NR	390 UJ	430 UJ	390 UJ
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 UJ	773 U	720 UJ	737 U	780 UJ	850 UJ	780 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	773 U	720 U	737 U	780 UJ	850 UJ	780 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	773 U	720 U	NR	780 UJ	850 UJ	780 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
BENZIDINE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	40.6 J	34 J	368 U	37 J	430 UJ	42 J
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	27.5 J	360 U	368 U	390 UJ	430 UJ	390 UJ
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	387 U	61 J	368 U	390 UJ	430 UJ	390 UJ
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	380 U	NR	360 U	NR	390 UJ	430 UJ	390 UJ
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	387 U	NR	368 U	NR	NR	NR
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	79 J
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	368 U	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	330 J	387 U	360 UJ	368 U	390 UJ	430 UJ	390 UJ
CHRYSENE	UG/KG	500000	9000	40000	380 U	387 U	44 J	368 U	390 UJ	430 UJ	87 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	85 J	387 U	360 U	368 U	81 J	50 J	190 J

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2249-01 12/17/1999 0 - 1 ft.	SB-G8-2249-01 6/16/2000 0 - 1 ft.	SB-G8-2260-01 12/17/1999 0 - 1 ft.	SB-G8-3-02 7/14/2000 0 - 1.25 ft.	SB-G8-C3-02 12/17/1999 0 - 1 ft.	SB-G9-2108-02 12/21/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	387 U	360 UJ	368 U	390 UJ	430 UJ	390 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	48 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	96 J
FLUORENE	UG/KG	100000	2300000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 UJ	387 U	360 UJ	NR	390 UJ	430 UJ	390 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 UJ	387 U	360 UJ	368 UJ	390 UJ	430 UJ	390 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 UJ	390 UJ	430 UJ	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	720	80 J	360 U	NR	410 J	240 J	390 UJ
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	390 UJ
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 UJ	773 U	720 UJ	737 U	780 UJ	850 UJ	780 UJ
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	387 U	360 U	368 U	390 UJ	430 UJ	42 J
PHENOL	UG/KG	50000	10000000	10000000	380 U	18.6 J	360 U	368 U	390 UJ	430 UJ	390 UJ
PYRENE	UG/KG	100000	1700000	10000000	380 U	387 U	360 U	368 U	390 UJ	430 UJ	110 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-3-03 12/17/1999 0 - 1 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.	SB-G9-7-11 3/24/2000 0 - 1 ft.	SB-G9-9322-02 4/7/2000 0 - 1.5 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.
SVOCS											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 UJ	400 UJ	400 U	390 UJ	420 UJ	380 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 UJ
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	850 U	790 UJ	790 U	780 U	830 U	770 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**2270 J**	**9320 J**	**150 J**	**84 J**	420 U	**73 J**	**153 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	850 UJ	790 UJ	790 U	780 UJ	830 UJ	770 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	850 U	800 UJ	790 U	780 U	830 U	770 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	850 U	790 UJ	790 U	780 UJ	830 UJ	770 U	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	400 UJ	5200	390 U	420 U	380 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	450 J	48 J	390 U	420 U	57 J	39 J
ANTHRACENE	UG/KG	100000	10000000	10000000	33 J	510 J	17000	390 U	420 U	44 J	65 J
BENZIDINE	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 UJ	420 UJ	380 UJ	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	170 J	**3000 J**	**19000**	84 J	97 J	350 J	280 J
BENZO(a)PYRENE	UG/KG	100000	660	660	120 J	**2700 J**	**14000**	71 J	95 J	320 J	250 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	340 J	**5700 J**	**19000**	120 J	120 J	790	700
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	430 U	920 J	5500	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	NR	NR	390 U	420 U	190 J	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	110 J	**2200 J**	**6100**	390 U	420 U	210 J	210 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	390 U	420 U	380 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	74 J	440 J	300 J	33 J	56 J	380 U	64 J
CHRYSENE	UG/KG	500000	9000	40000	290 J	2400 J	**16000**	78 J	81 J	490	480
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	1000 J	400 U	390 U	420 U	46 J	400 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-3-03 12/17/1999 0 - 1 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.	SB-G9-7-11 3/24/2000 0 - 1 ft.	SB-G9-9322-02 4/7/2000 0 - 1.5 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 UJ	400 UJ	270 J	390 U	420 U	380 U	400 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	400 UJ	**1600**	390 U	420 U	380 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	2500 J	400 U	390 U	120 J	380 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	200 J	2300 J	39000	110 J	180 J	900	440
FLUORENE	UG/KG	100000	2300000	10000000	430 U	400 UJ	5200	390 U	420 U	26 J	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 UJ	400 UJ	400 U	390 U	420 U	380 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 UJ	400 UJ	400 U	390 U	420 U	380 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	**1100 J**	**5600**	390 U	420 U	180 J	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	400 UJ	400 U	390 U	420 U	380 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	1600 UJ	400 UJ	390 UJ	420 UJ	380 U	400 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	440	400 UJ	400 U	110 J	94 J	380 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	39 J	67 J	5200	390 U	420 U	380 U	28 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	850 UJ	790 UJ	790 UJ	780 U	830 U	770 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	100 J	160 J	38000	46 J	82 J	540	190 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	400 UJ	85 J	390 U	420 U	380 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	160 J	2400 J	31000	90 J	150 J	740	410

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-A11-02 12/21/1999 0 - 0.8 ft.	TP-E10-PA12-01 8/9/2000 3.5 - 5.5 ft.	TP-E9-2296-09 8/10/2000 7.5 - 9.5 ft.	TP-F10-21-01 7/25/2000 4.5 - 6.5 ft.	TP-F10-2356-12 8/3/2000 3.5 - 5.5 ft.	TP-F10-8237A-01 8/3/2000 1.5 - 3.5 ft.	TP-F10-PA8 7/25/2000 5.5 - 7.5 ft.
SVOCS											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 UJ	405 UJ	378 UJ	405 U	460 U	412 U	388 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 UJ	810 U	755 U	810 U	920 UJ	823 U	776 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**140 J**	405 U	378 U	405 U	460 U	412 U	**59 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 UJ	810 U	755 U	810 U	920 U	823 U	776 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	740 UJ	810 U	755 U	810 U	920 UJ	823 U	776 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
4-NITROPHENOL	UG/KG	NA	NA	NA	740 UJ	810 UJ	755 UJ	810 U	920 U	823 U	776 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	62.6 J	388 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
BENZIDINE	UG/KG	NA	NA	NA	370 UJ	405 UJ	378 UJ	405 UJ	460 U	412 U	388 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 UJ	405 U	378 U	147 J	460 U	198 J	52.8 J
BENZO(a)PYRENE	UG/KG	100000	660	660	20 J	56.7 J	378 U	179 J	460 U	198 J	53.9 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 UJ	405 U	378 U	268 J	460 U	326 J	388 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	370 UJ	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	405 U	378 U	101 J	460 U	153 J	388 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 UJ	405 U	378 U	101 J	460 U	92.2 J	388 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 UJ	405 U	378 U	405 UJ	460 U	412 U	388 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	21 J	405 U	160 J	44.5 J	460 U	23.1 J	30.3 J
CHRYSENE	UG/KG	500000	9000	40000	370 UJ	405 U	378 U	230 J	460 U	312 J	55.5 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	66 UJ	405 U	14000	405 U	460 U	412 U	388 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-A11-02 12/21/1999 0 - 0.8 ft.	TP-E10-PA12-01 8/9/2000 3.5 - 5.5 ft.	TP-E9-2296-09 8/10/2000 7.5 - 9.5 ft.	TP-F10-21-01 7/25/2000 4.5 - 6.5 ft.	TP-F10-2356-12 8/3/2000 3.5 - 5.5 ft.	TP-F10-8237A-01 8/3/2000 1.5 - 3.5 ft.	TP-F10-PA8 7/25/2000 5.5 - 7.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	405 U	378 U	405 UJ	460 U	412 U	388 UJ
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 UJ	405 U	5080	405 U	460 U	412 U	388 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 UJ	405 U	378 U	304 J	460 U	419	94.7 J
FLUORENE	UG/KG	100000	2300000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 UJ	405 UJ	378 UJ	405 U	460 U	412 U	388 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 UJ	405 U	378 U	405 U	460 UJ	412 U	388 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 UJ	405 UJ	378 UJ	405 U	460 U	412 U	388 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 UJ	405 U	378 U	87.5 J	460 U	126 J	388 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 UJ	405 UJ	378 UJ	405 UJ	460 U	412 U	388 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	405 UJ	460 U	412 U	388 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 J	405 U	4010	38.5 J	460 U	64.2 J	103 J
NAPHTHALENE	UG/KG	100000	230000	4200000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	740 UJ	810 U	755 U	810 U	920 U	823 U	776 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 UJ	405 U	378 U	156 J	460 U	212 J	388 U
PHENOL	UG/KG	50000	10000000	10000000	370 UJ	405 U	378 U	405 U	460 U	412 U	388 U
PYRENE	UG/KG	100000	1700000	10000000	370 UJ	405 U	378 U	300 J	460 U	409 J	98.6 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F8-8562A-01 8/1/2000 4 - 6.0 ft.	TP-F8-PA1/PA2-01 8/1/2000 5.5 - 7.5 ft.	TP-F9-2105-07 8/1/2000 4 - 6.0 ft.	TP-F9-2109-09 8/1/2000 3 - 5.0 ft.	TP-F9-PA4-01 8/1/2000 3.5 - 5.5 ft.	TP-F9-PA5-01 8/1/2000 5.5 - 7.5 ft.
SVOCS										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	358 U	349 U	402 U	412 U	402 U	388 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	358 U	349 U	402 U	412 U	402 U	388 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	358 U	349 U	402 U	412 U	402 U	388 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	715 UJ	698 U	804 U	823 U	805 UJ	776 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	358 U	349 U	**384 J**	412 U	402 U	388 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	358 U	349 U	402 U	412 U	402 U	388 U
2-NITROPHENOL	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	715 U	698 U	804 U	823 U	805 U	776 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	715 UJ	698 U	804 U	823 U	805 UJ	776 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
4-NITROPHENOL	UG/KG	NA	NA	NA	715 U	698 U	804 U	823 U	805 U	776 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
ANTHRACENE	UG/KG	100000	10000000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
BENZIDINE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	358 U	349 U	145 J	412 U	55.9 J	86.1 J
BENZO(a)PYRENE	UG/KG	100000	660	660	358 U	349 U	141 J	412 U	402 U	72.9 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	358 U	349 U	177 J	412 U	402 U	111 J
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	358 U	349 U	92.5 J	412 U	402 U	388 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	358 U	349 U	81.6 J	412 U	402 U	388 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	358 U	349 U	402 U	412 U	402 U	388 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	358 U	349 U	402 U	412 U	402 U	388 U
CHRYSENE	UG/KG	500000	9000	40000	358 U	349 U	140 J	412 U	53.1 J	83 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	358 U	349 U	575	412 U	87.3 U	388 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F8-8562A-01 8/1/2000 4 - 6.0 ft.	TP-F8-PA1/PA2-01 8/1/2000 5.5 - 7.5 ft.	TP-F9-2105-07 8/1/2000 4 - 6.0 ft.	TP-F9-2109-09 8/1/2000 3 - 5.0 ft.	TP-F9-PA4-01 8/1/2000 3.5 - 5.5 ft.	TP-F9-PA5-01 8/1/2000 5.5 - 7.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	358 U	349 U	402 U	412 U	402 U	388 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	358 U	349 U	301 J	412 U	110 J	156 J
FLUORENE	UG/KG	100000	2300000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	358 U	349 U	402 U	412 U	402 U	388 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	358 U	349 U	402 U	412 U	402 U	388 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	358 UJ	349 U	402 U	412 U	402 U	388 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	358 U	349 U	402 U	412 U	402 U	388 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	358 U	349 U	84 J	412 U	402 U	388 U
ISOPHORONE	UG/KG	50000	1100000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	358 U	349 U	402 U	412 U	402 U	388 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	358 U	349 U	402 U	412 U	402 U	388 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	358 U	349 U	20700	953	213 J	375 J
NAPHTHALENE	UG/KG	100000	230000	4200000	358 U	349 U	402 U	412 U	402 U	388 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	715 U	698 U	804 U	823 U	805 U	776 U
PHENANTHRENE	UG/KG	NA	NA	NA	358 U	349 U	174 J	412 U	55.9 J	72.5 J
PHENOL	UG/KG	50000	10000000	10000000	358 U	349 U	402 U	412 U	402 U	388 U
PYRENE	UG/KG	100000	1700000	10000000	358 U	349 U	247 J	412 U	97.8 J	145 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F9-PA6-01 8/1/2000 5 - 7.0 ft.	TP-G8-8562-01 8/1/2000 6.5 - 8.5 ft.
SVOCS						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	385 U	371 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	385 U	371 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	385 U	371 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	385 U	371 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	385 U	371 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	385 U	371 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	385 U	371 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	385 U	371 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	385 U	371 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	741 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	385 U	371 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	385 U	371 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	385 U	371 U
2-NITROPHENOL	UG/KG	NA	NA	NA	385 U	371 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	741 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	741 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	385 U	371 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	385 U	371 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	385 U	371 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	741 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	385 U	371 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	385 U	371 U
ANTHRACENE	UG/KG	100000	10000000	10000000	385 U	371 U
BENZIDINE	UG/KG	NA	NA	NA	385 U	371 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	385 U	371 U
BENZO(a)PYRENE	UG/KG	100000	660	660	385 U	371 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	385 U	371 U
BENZO(g,h,i)FLUORANTHENE	UG/KG	NA	NA	NA	NR	NR
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	385 U	371 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	385 U	371 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	385 U	371 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	385 U	371 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	385 U	371 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25.8 J	371 U
CHRYSENE	UG/KG	500000	9000	40000	385 U	371 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	509	371 U

Table 5-9B

Analytical Results
A-Line Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F9-PA6-01 8/1/2000 5 - 7.0 ft.	TP-G8-8562-01 8/1/2000 6.5 - 8.5 ft.
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	385 U	371 U
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	385 U	371 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2430	371 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	385 U	371 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	385 U	371 U
FLUORENE	UG/KG	100000	2300000	10000000	385 U	371 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	385 U	371 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	385 U	371 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	385 U	371 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	385 U	371 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	385 U	371 U
ISOPHORONE	UG/KG	50000	1100000	10000000	385 U	371 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	385 U	371 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	385 U	371 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	798	109 J
NAPHTHALENE	UG/KG	100000	230000	4200000	385 U	371 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	741 U
PHENANTHRENE	UG/KG	NA	NA	NA	385 U	371 U
PHENOL	UG/KG	50000	10000000	10000000	385 U	371 U
PYRENE	UG/KG	100000	1700000	10000000	385 U	371 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2097-02 3/24/2000 0 - 1 ft.	SB-E10-2097-07 3/24/2000 0 - 2 ft.	SB-E10-2101-05 3/16/2000 0 - 2 ft.	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-2101C-01 3/23/2000 0 - 1 ft.	SB-E10-2101C-05 3/23/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	210 U	220 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	210 U	220 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	210 U	220 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	210 U	220 U	**200 J**	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	210 U	220 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	420 U	430 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	420 U	430 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	210 U	220 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	420 U	430 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	420 U	430 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	210 U	220 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	538 J	235 J	7240	33200	148 J	211 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5300 U	5300 U	24000	**220000**	5400 U	5500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	420 U	430 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	420 U	430 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2159-02 3/24/2000 0 - 1 ft.	SB-E10-2159-05 3/24/2000 0 - 2 ft.	SB-E10-2160-03 3/16/2000 0 - 1 ft.	SB-E10-2160-05 3/16/2000 0 - 1 ft.	SB-E10-2288-03 3/24/2000 0 - 0.5 ft.	SB-E10-2288-05 3/24/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	230 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	230 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	NR	230 U	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	NR	230 U	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	230 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	450 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	NR	450 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	NR	230 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	450 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	NR	450 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	370 U	230 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	1030 J	38.3 UJ	2080	NR	2820 J	4140 J
NITROGLYCERIN	UG/KG	NA	46000	200000	3900 J	5900 U	3800 J	NR	14000	10000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	NR	450 U	430 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	450 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-606-02 3/23/2000 0 - 2 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E10-A1-02 3/16/2000 0 - 2 ft.	SB-E9-2-01 6/16/2000 0 - 1.5 ft.	SB-E9-2-03 3/24/2000 0 - 1 ft.	SB-E9-2153-02 3/23/2000 0 - 1.5 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	250 U	250 U	2400 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	250 U	250 U	2400 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	250 U	**350 J**	150 R	2400 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**4100 J**	250 U	250 U	250 U	250 U	**42000 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	250 U	250 U	2400 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	250 U	250 U	2400 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	180 J	250 U	130 R	2400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.2 UJ	1850 J	466	320	1260 J	292 J	4740 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	4000 J	5600 U	18900	26000	28000	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	4800 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296-04 3/21/2000 0 - 2 ft.	SB-E9-2296-05 3/21/2000 0 - 1 ft.	SB-E9-2296-06 3/21/2000 0 - 1 ft.	SB-E9-2296-07 3/21/2000 0 - 2 ft.	SB-E9-2296A-01 3/31/2000 0 - 1 ft.	SB-E9-2296B-03 3/21/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**636**	**1048**	250 U	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	250 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	370 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	808 J	2070 J	104 J	99 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	**56000**	**170000**	5200 U	8200	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR

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E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296B-04 6/16/2000 0 - 2 ft.	SB-E9-2296C-01 3/31/2000 0 - 2 ft.	SB-E9-2296C-01 6/16/2000 0 - 2 ft.	SB-E9-2296D-01 3/21/2000 0 - 1.5 ft.	SB-E9-2296D-03 6/16/2000 0 - 2 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	238 U	NR	238.1 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	238 U	NR	238.1 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	NR	238 U	NR	1270 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	NR	238 U	NR	238.1 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	238 U	NR	238.1 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	476 U	NR	476.2 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	476 U	NR	476.2 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	NR	238 U	NR	238.1 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	476 U	NR	476.2 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	476 U	NR	476.2 U
NITROBENZENE	UG/KG	10000	39000	510000	357 U	250 U	3880 U	238 U	359 U	139 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	3510 J	NR	119 J	NR	3010 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	42000	NR	4700 U	NR	**175000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	476 U	NR	476.2 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	476 U	NR	476.2 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-556-04 3/17/2000 0 - 1 ft.	SB-E9-558B-03 3/23/2000 0 - 1.5 ft.	SB-E9-560-03 3/17/2000 0 - 0.8 ft.	SB-E9-562-01 3/23/2000 0 - 1 ft.	SB-E9-6-01 3/23/2000 0 - 0.5 ft.	SB-E9-6-03 3/23/2000 0 - 0.5 ft.	SB-E9-6-04 3/23/2000 0 - 1 ft.	SB-E9-610-04 3/17/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	NR	NR	NR	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	NR	NR	NR	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	250 U	NR	NR	NR	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	250 U	NR	NR	NR	**11000 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	NR	NR	NR	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	NR	NR	NR	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	380 U	380 U	390 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	276 J	37.1 UJ	1230 J	41 UJ	NR	NR	NR	1110 J
NITROGLYCERIN	UG/KG	NA	46000	200000	5400 U	5400 U	6300 U	6000 U	NR	NR	NR	**47000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	NR	NR	NR	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-A7-01 3/23/2000 0 - 1 ft.	SB-F10-11-01 3/24/2000 0 - 1.5 ft.	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2096-07 3/21/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.	SB-F10-2145-01 3/23/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	250 U	238 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	250 U	238 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	250 U	238 U	**1100**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	250 U	**539 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	250 U	238 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	476 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	500 U	476 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	250 U	238 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	476 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	500 U	476 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	390 U	250 U	250 U	250 U	238 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	382 J	1090 J	1520 J	1680 J	1300 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	3900 J	5900 U	5800 U	9000	8400
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	500 U	476 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	476 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2145-04 3/23/2000 0 - 1 ft.	SB-F10-2289-01 3/16/2000 0 - 1 ft.	SB-F10-2323-02 3/17/2000 0 - 1 ft.	SB-F10-2323-05 3/17/2000 0 - 0.5 ft.	SB-F10-2356-04 3/23/2000 0 - 0.5 ft.	SB-F10-2356-06 3/23/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	**170 J**	240 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	480 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	480 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	430 U	250 U	250 U	240 U	250 U	130 R
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	2490	1340 J	3420 J	389 J	691 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6300	6400 U	3800 J	5100 U	5300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	480 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	500 U	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2356-07 3/23/2000 0 - 1 ft.	SB-F10-3-01 6/16/2000 0 - 1.5 ft.	SB-F10-3-07 6/16/2000 0 - 1 ft.	SB-F10-460-01 3/16/2000 0 - 1 ft.	SB-F10-462-01 3/16/2000 0 - 2 ft.	SB-F10-464-01 3/16/2000 0 - 1 ft.	SB-F10-464-05 3/16/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	250 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	250 U	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	**106 J**	250 U	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	**7160**	250 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	250 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	500 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	250 U	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	500 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	474 U	758	250 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	357 J	NR	13600	44.2	70.1	1650	3000
NITROGLYCERIN	UG/KG	NA	46000	200000	5300 U	NR	14100	6300 U	6000 U	6100 J	18000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	1060	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	500 U	500 U	500 U	500 U	500 U

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-5-01 3/31/2000 0 - 1.5 ft.	SB-F10-5-01 6/16/2000 0 - 1.5 ft.	SB-F10-7-03 3/23/2000 0 - 1.5 ft.	SB-F10-8-01 3/21/2000 0 - 1 ft.	SB-F10-8-04 6/16/2000 0 - 1 ft.	SB-F10-8237-04 3/17/2000 0 - 1 ft.	SB-F10-8237-05 3/17/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	250 U	NR	NR	NR	250 UJ	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	250 U	NR	NR	NR	250 UJ	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	250 U	NR	NR	NR	250 UJ	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	250 U	NR	NR	NR	250 UJ	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	250 U	NR	NR	NR	250 UJ	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	NR	NR	NR	500 UJ	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	500 U	NR	NR	NR	500 UJ	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	250 U	NR	NR	NR	250 UJ	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	NR	NR	NR	500 UJ	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	500 U	NR	NR	NR	500 UJ	500 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	250 U	410 U	400 U	364 U	250 UJ	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	829 J	88.2	NR	NR	NR	2960 J	932 J
NITROGLYCERIN	UG/KG	NA	46000	200000	12000	6100 U	NR	NR	NR	**57000**	8400
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	500 U	NR	NR	NR	500 UJ	500 U
TETRYL	UG/KG	NA	780000	10000000	450 U	500 U	NR	NR	NR	500 UJ	500 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8274-02 3/17/2000 0 - 0.5 ft.	SB-F10-8274-04 3/17/2000 0 - 0.5 ft.	SB-F10-8564-01 3/17/2000 0 - 0.5 ft.	SB-F10-8569-03 3/17/2000 0 - 1 ft.	SB-F11-2016-01 3/24/2000 0 - 1.5 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 UJ	NR	240 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 UJ	NR	240 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	250 UJ	NR	240 U	**1200 J**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 UJ	NR	240 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 UJ	NR	240 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 UJ	NR	480 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 UJ	NR	480 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 UJ	NR	240 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 UJ	NR	480 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 UJ	NR	480 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 UJ	400 U	240 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	159 J	221 J	567 J	NR	2090 J	2530 J
NITROGLYCERIN	UG/KG	NA	46000	200000	6500 U	6400 U	3700 J	NR	**160000**	**130000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 UJ	NR	480 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 UJ	NR	480 U	500 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F11-2016-07 3/24/2000 0 - 2 ft.	SB-F8-1-02 3/23/2000 0 - 2 ft.	SB-F8-2-01 3/23/2000 0 - 1.5 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.	SB-F8-2107-02 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-03 3/16/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	230 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 U	230 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**220 J**	240 U	250 U	420 R	250 U	4500 R	3600 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	**590 J**	250 U	**370 J**	**570 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	230 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	450 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 U	450 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	230 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	450 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 U	450 U	500 U	500 U	860 J
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	230 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	98.6 J	228 J	34.7 UJ	961 J	200 J	11800 J	9310
NITROGLYCERIN	UG/KG	NA	46000	200000	24000	5400 U	5000 U	**100000**	6100	**600000 D**	**760000 J**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 U	450 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 U	450 U	500 U	500 U	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2116-07 3/16/2000 0 - 1 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2116-10 3/16/2000 0 - 0.5 ft.	SB-F8-2117-07 3/24/2000 0 - 1 ft.	SB-F8-2117-08 3/24/2000 0 - 1.5 ft.	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2118-10 3/23/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	NR	NR	250 U	240 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	NR	NR	250 U	240 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	710 R	NR	NR	NR	3100 R	280 R	220 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	NR	NR	250 U	**580**	**130 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	NR	NR	NR	250 U	240 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	500 U	480 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	NR	NR	500 U	480 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	NR	NR	NR	250 U	240 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	500 U	480 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500	NR	NR	NR	500 U	480 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	410 U	370 U	400 U	250 U	240 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	2890	NR	NR	NR	916 J	585 J	57.2 J
NITROGLYCERIN	UG/KG	NA	46000	200000	**220000 J**	NR	NR	NR	**180000**	33000	11000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	NR	NR	500 U	480 U	430 U
TETRYL	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	500 U	480 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2144-03 3/21/2000 0 - 1.5 ft.	SB-F8-2144-04 3/21/2000 0 - 1.5 ft.	SB-F8-2144-06 3/21/2000 0 - 2 ft.	SB-F8-2150-02 3/16/2000 0 - 0.5 ft.	SB-F8-2150-05 3/16/2000 0 - 0.75 ft.	SB-F8-2151-01 3/23/2000 0 - 2 ft.	SB-F8-2151-06 3/23/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	227 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	227 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	**1562 J**	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	227 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	227 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	455 U	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	455 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	227 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	455 U	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	455 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	4200 U	227 U	420 U	400 U	430 U	360 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1910 J	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	**210000**	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	455 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	455 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2152-02 3/23/2000 0 - 0.5 ft.	SB-F8-2207-01 3/23/2000 0 - 2 ft.	SB-F8-2207-03 3/23/2000 0 - 0.5 ft.	SB-F8-2208-01 3/23/2000 0 - 1.5 ft.	SB-F8-2208-03 3/23/2000 0 - 2 ft.	SB-F8-3-01 3/23/2000 0 - 0.5 ft.	SB-F8-4-02 3/23/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	250 U	250 U	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	250 U	250 U	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	250 U	250 U	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	250 U	250 U	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	250 U	250 U	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	500 U	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	500 U	500 U	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	250 U	250 U	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	500 U	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	500 U	500 U	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	360 U	250 U	250 U	250 U	250 U	410 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	37.5 UJ	37.7 UJ	70 J	35.1 UJ	NR	42.9 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5500 U	5900 U	33000	5500 U	NR	6300
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	500 U	500 U	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	500 U	NR	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-563D-02 3/23/2000 0 - 0.5 ft.	SB-F8-567-05 3/16/2000 0 - 0.5 ft.	SB-F8-573-02 7/14/2000 0 - 1 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F8-A5-03 3/21/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	230 U	250 U	250 U	250 U	230 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	230 U	250 U	250 U	250 U	230 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	230 U	250 U	250 U	250 R	710 R	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	230 U	250 U	**182 J**	250 U	230 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	230 U	250 U	250 U	250 U	230 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	500 U	500 U	500 U	450 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	450 U	500 U	500 U	500 U	450 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	230 U	250 U	250 U	250 U	230 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	450 U	500 U	500 U	500 U	450 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	450 U	500 U	500 U	500 U	450 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	230 U	250 U	250 U	250 U	230 U	3700 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	374	1520	2660 J	1410	1360 J	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6100 UJ	23300	**556200 D**	**61000**	**110000**	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	450 U	500 U	500 U	500 U	450 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	450 U	500 U	500 R	500 U	450 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-A9-02 3/23/2000 0 - 0.5 ft.	SB-F9-1-01 6/23/2000 0 - 1 ft.	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-16-05 12/21/1999 0 - 1.5 ft.	SB-F9-2104-03 3/23/2000 0 - 0.5 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	238.1 U	250 UJ	250 U	250 U	240 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	238.1 U	250 UJ	250 U	250 U	240 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	226 R	250 UJ	**838**	250 U	490 R	550 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**117 J**	**370**	**735**	250 U	240 U	**1600 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	238.1 U	250 UJ	250 U	250 U	240 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	238.1 U	250 UJ	250 U	250 U	240 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	390 U	207 J	290 R	250 U	250 U	240 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	1510	226 J	4510 J	99 J	660 J	515 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	35100	17000	**52208**	2090 J	30000	42000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	476 U	500 UJ	500 U	500 U	480 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105A-01 12/21/1999 0 - 1 ft.	SB-F9-2105A-04 4/18/2000 0 - 1 ft.	SB-F9-2105B-01 3/23/2000 0 - 1 ft.	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-01 7/12/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 UJ	NR	250 U	240 U	250 U	238.1 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 UJ	NR	250 U	240 U	**658 J**	238.1 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**11000 J**	NR	**470 J**	240 U	**3628160 !D**	**794**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 UJ	NR	**2500 J**	**140 J**	250 U	**533**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 UJ	NR	250 U	240 U	250 U	238.1 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 UJ	NR	500 U	480 U	500 U	476.2 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 UJ	NR	500 U	480 U	500 U	476.2 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 UJ	NR	250 U	240 U	250 U	238.1 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 UJ	NR	500 U	480 U	500 U	476.2 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	4500 J	NR	500 U	480 U	500 U	476.2 U
NITROBENZENE	UG/KG	10000	39000	510000	250 UJ	390 UJ	250 U	240 U	250 U	238.1 U
NITROCELLULOSE	MG/KG	NA	NA	NA	2110 J	NR	466	210 J	558 J	1510 J
NITROGLYCERIN	UG/KG	NA	46000	200000	**140000 J**	NR	29000	5800 U	**480000 D**	**47600**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 UJ	NR	500 U	480 U	500 U	2040
TETRYL	UG/KG	NA	780000	10000000	500 UJ	NR	500 U	480 U	500 U	476.2 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.	SB-F9-2109C-05 3/21/2000 0 - 0.5 ft.	SB-F9-2109D-02 12/21/1999 0 - 1 ft.	SB-F9-2109D-03 12/21/1999 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	208 U	217.4 U	217 U	208 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	208 U	217.4 U	217 U	208 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	3320 J	**1170 R**	1676	208 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	2270 J	**707 J**	1376 J	208 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	208 U	217.4 U	217 U	208 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	417 U	434.8 U	435 U	417 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	417 U	434.8 U	435 U	417 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	208 U	217.4 U	217 U	208 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	417 U	434.8 U	435 U	417 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	177 R	434.8 U	435 U	417 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	208 U	194 J	217 U	208 U	380 UJ	400 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	14000 J	4440 J	690 J	390 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	537000	**149000**	**48000**	59000	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	1740 J	692 J	435 U	417 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	417 U	434.8 U	435 U	417 U	NR	NR

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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2251-01 6/29/2000 0 - 1 ft.	SB-F9-2251-03 3/24/2000 0 - 0.5 ft.	SB-F9-2276-03 3/16/2000 0 - 1.5 ft.	SB-F9-2279-02 3/16/2000 0 - 2 ft.	SB-F9-4-01 3/30/2000 0 - 1 ft.	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-558A-01 3/23/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	**NR**	1117 J	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	**NR**	151 J	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	408 U	NR	NR	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	817 U	NR	NR	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	408 U	380 U	390 U	370 U	400 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	6550 J	940 J
NITROGLYCERIN	UG/KG	NA	46000	200000	408 U	NR	NR	NR	**NR**	183465	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-563-01 3/16/2000 0 - 0.67 ft.	SB-F9-611-02 3/16/2000 0 - 0.5 ft.	SB-F9-7-03 12/21/1999 0 - 1 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.	SB-F9-8-05 3/17/2000 0 - 1 ft.	SB-F9-8188-01 12/21/1999 0 - 1 ft.	SB-F9-9-01 3/17/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	250 U	**250 U**	951 J	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**250 U**	200 J	**250 U**	**208 J**	**140 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	410 U	400 U	250 U	250 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	90.1 J	225 J	169 J	1740 J	180 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	4988 U	25000	**6300 U**	131692	5800 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-9-05 3/17/2000 0 - 0.5 ft.	SB-F9-A10-03 3/21/2000 0 - 0.5 ft.	SB-F9-A3-02 3/23/2000 0 - 1.5 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A5-01 3/23/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.	SB-F9-C1-04 12/21/1999 0 - 1.3 ft.	SB-G7-1-01 12/16/1999 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	NR	NR	250 U	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	NR	NR	250 U	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	NR	**NR**	160 J	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	220 J	NR	NR	NR	**NR**	1600 J	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	NR	NR	250 U	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	500 U	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	NR	NR	500 U	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	NR	NR	250 U	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	500 U	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	NR	NR	500 U	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	3900 U	410 U	420 U	420 U	250 U	380 UJ	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	227 J	NR	NR	NR	NR	1160 J	NR	126
NITROGLYCERIN	UG/KG	NA	46000	200000	6900 U	NR	NR	NR	NR	6200 U	NR	14750
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	NR	NR	500 U	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	500 U	NR	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2-01 4/20/2000 0 - 1 ft.	SB-G7-2-04 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.	SB-G7-2149-04 12/21/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	**250 U**	**4657 J**	**14175 J**	13727 J	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**250 U**	**1338 J**	**3570 J**	4934 J	NR	**NR**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	250 U	420 UJ	420 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	65.4	88.3	9560 J	23400 J	33700 J	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6600 U	**4878 U**	**232903**	**1320000 D**	1670000 D	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G7-2164-07 12/21/1999 0 - 2 ft.	SB-G7-58-01 9/27/2000 0 - 1 ft.	SB-G7-58-04 7/13/2000 0 - 0.75 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.	SB-G8-2114-06 12/17/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	250 U	100 U	250 U	238 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	250 U	100 U	250 U	238 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	250 U	**100 U**	435	238 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	628	NR	250 U	100 U	250 U	**238 U**	1268 J
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	250 U	100 U	250 U	238 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	200 U	500 U	476 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	500 U	200 U	500 U	476 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	250 U	100 U	250 U	238 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	200 U	500 U	476 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	500 U	200 U	500 U	476 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	400 UJ	250 U	100 U	222 J	238 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	105 J	NR	33.1 UJ	261	557 J	454	1030
NITROGLYCERIN	UG/KG	NA	46000	200000	5985	NR	3682 J	20400	**8830**	88800	40195
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	500 U	200 U	500 U	476 U	849 J
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	500 U	200 U	500 U	476 R	500 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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B = Indicates that the compound was found in the associated blank.
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2148-02 12/17/1999 0 - 1 ft.	SB-G8-2204-03 6/16/2000 0 - 1 ft.	SB-G8-2204-05 12/17/1999 0 - 1 ft.	SB-G8-2209-01 3/23/2000 0 - 1 ft.	SB-G8-2209-05 3/23/2000 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	250 U	238 U	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	250 U	238 U	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	250 U	238 U	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	250 U	238 U	NR	**NR**	1037 J
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	250 U	238 U	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	500 U	476 U	NR	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	500 U	476 U	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	250 U	238 U	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	500 U	476 U	NR	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	500 U	476 U	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	238 U	250 U	238 U	400 U	370 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	72.8	43.5	86.4	NR	NR	163
NITROGLYCERIN	UG/KG	NA	46000	200000	4878 U	5730 U	4878 U	NR	NR	4200 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	500 U	476 U	NR	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	476 R	500 U	476 R	NR	NR	500 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2210-03 12/17/1999 0 - 1.5 ft.	SB-G8-2249-01 12/17/1999 0 - 1 ft.	SB-G8-2249-01 6/16/2000 0 - 1 ft.	SB-G8-2260-01 12/17/1999 0 - 1 ft.	SB-G8-3-02 7/14/2000 0 - 1.25 ft.	SB-G8-C3-02 12/17/1999 0 - 1 ft.	SB-G8-F7-01 12/17/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	244 U	250 U	NR	NR	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	244 U	250 U	NR	NR	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	244 U	250 U	NR	NR	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	244 U	250 U	NR	NR	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	244 U	250 U	NR	NR	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	488 U	500 U	368 U	NR	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	488 U	500 U	NR	NR	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	244 U	250 U	NR	NR	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	488 U	500 U	737 U	NR	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	488 U	500 U	NR	NR	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	244 U	250 U	368 U	390 UJ	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	261	494	147	76.9	NR	NR	79.1
NITROGLYCERIN	UG/KG	NA	46000	200000	**1800**	49400	5760 U	4878 U	368 U	NR	5000 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	1165 J	7150	500 U	NR	NR	500 U
TETRYL	UG/KG	NA	780000	10000000	500 R	500 R	488 U	500 R	NR	NR	500 R

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2108-02 12/21/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-3-03 12/17/1999 0 - 1 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.	SB-G9-7-11 3/24/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	250 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	**NR**	220 J	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	430 UJ	390 UJ	430 U	400 UJ	400 U	250 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	37.7 J	79.1 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	5900 U	15000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	500 U	480 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	500 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-9322-02 4/7/2000 0 - 1.5 ft.	SB-G9-9322-04 4/7/2000 0 - 1 ft.	SB-G9-A11-02 12/21/1999 0 - 0.8 ft.	TP-E10-PA12-01 8/9/2000 3.5 - 5.5 ft.	TP-E9-2296-09 8/10/2000 7.5 - 9.5 ft.	TP-F10-21-01 7/25/2000 4.5 - 6.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	238.1 U	NR	185 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	238.1 U	NR	185 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	238.1 U	NR	185 U	1190 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**NR**	276.6 J	NR	185 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	238.1 U	NR	185 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476.2 U	NR	370 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	476.2 U	NR	370 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	238.1 U	NR	185 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	476.2 U	NR	370 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	476.2 U	NR	370 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	380 U	238.1 U	370 UJ	68.2 R	252 J	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	588 J	NR	38 J	379 J	250
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	4338.6 J	NR	**2710 J**	431000 J	6130 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	476.2 U	NR	370 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	810 J	NR	370 U	500 U	500 U

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F10-2356-12 8/3/2000 3.5 - 5.5 ft.	TP-F10-8237A-01 8/3/2000 1.5 - 3.5 ft.	TP-F10-PA8 7/25/2000 5.5 - 7.5 ft.	TP-F8-8562A-01 8/1/2000 4 - 6.0 ft.	TP-F8-PA1/PA2-01 8/1/2000 5.5 - 7.5 ft.	TP-F9-2105-07 8/1/2000 4 - 6.0 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	250 U	238 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	250 U	238 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	250 U	238 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**NR**	299 J	238 U	**250 U**	239 J
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	250 U	238 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	476 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	500 U	476 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	250 U	238 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	500 U	476 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	500 U	476 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	412 U	250 U	238 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	988	NR	629	36 U	35.8 U	1280
NITROGLYCERIN	UG/KG	NA	46000	200000	5750 U	NR	5600 U	4490 U	5240 U	31800
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	500 U	476 U	500 U	2310
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	500 U	476 U	500 U	500 U

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9C

Analytical Results
A-Line Area - Energetics and Explosives
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-F9-2109-09 8/1/2000 3 - 5.0 ft.	TP-F9-PA4-01 8/1/2000 3.5 - 5.5 ft.	TP-F9-PA5-01 8/1/2000 5.5 - 7.5 ft.	TP-F9-PA6-01 8/1/2000 5 - 7.0 ft.	TP-G8-8562-01 8/1/2000 6.5 - 8.5 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	227 U	238 U	250 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	**227 U**	161 J	238 U	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227 U	545 R	**238 U**	126 J	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**227 U**	1399000 J	238 U	250 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227 U	227 U	238 U	250 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	455 U	476 U	500 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	455 U	455 U	476 U	500 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227 U	227 U	238 U	250 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	455 U	476 U	500 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	455 U	455 U	476 U	500 U	476 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	227 U	238 U	250 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	43.6 U	186	310	1070	99.5
NITROGLYCERIN	UG/KG	NA	46000	200000	5880 U	28900	**7940**	53100	5980
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	455 U	4460 R	491 J	500 U	476 U
TETRYL	UG/KG	NA	780000	10000000	455 U	455 U	476 U	500 U	476 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-9D

Analytical Results
A-Line Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-6-03 3/23/2000 0 - 0.5 ft.	SB-E9-6-04 3/23/2000 0 - 1 ft.	SB-F10-9-01 3/17/2000 0 - 1 ft.	SB-F8-5-01 7/13/2000 0 - 1 ft.	SB-F8-8-01 7/13/2000 0 - 1.5 ft.	SB-F9-3-01 3/24/2000 0 - 1.5 ft.	SB-G8-5-01 12/17/1999 0 - 2 ft.	SB-G8-5-02 4/20/2000 0 - 1 ft.	SB-G9-14-01 3/16/2000 0 - 2 ft.
Polychlorinated Biphenyls													
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 UJ	21 UJ	21 U	19 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 U	21 UJ	21 U	19 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 U	21 UJ	21 U	19 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 U	21 UJ	21 U	19 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 U	21 UJ	21 U	19 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	20 U	20 U	20 U	18.5 U	18 U	20 U	21 UJ	21 U	19 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	38 U	40 U	38 U	113 J	30.6 J	39 UJ	41 UJ	42 U	38 U
TOTAL PCBS	UG/KG	50000	490	2000	38 U	40 U	38 U	113 J	30.6 J	39 UJ	41 UJ	42 U	38 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2097-02 3/24/2000 0 - 1 ft.	SB-E10-2097-07 3/24/2000 0 - 2 ft.	SB-E10-2101-05 3/16/2000 0 - 2 ft.	SB-E10-2101-12 3/16/2000 0 - 1 ft.	SB-E10-2101C-01 3/23/2000 0 - 1 ft.	SB-E10-2101C-05 3/23/2000 0 - 1 ft.
Metals, Total										
ANTIMONY	MG/KG	NA	14	340	0.58 UN	0.64 UN	1.4 UJ	1.5 UJ	0.49 UN	0.64 UN
ARSENIC	MG/KG	NA	20	20	5.3 N	2.8 N	7.7 N	6.6 N	3	6.2
BERYLLIUM	MG/KG	NA	2	2	0.41	0.43	0.43	0.51	0.65	0.55
CADMIUM	MG/KG	NA	39	100	0.32	0.23 B	0.69 B	0.82	0.39	0.43
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.3	11	14.7	23	9.8 J	13.3 J
COPPER	MG/KG	NA	600	600	13.7	18.9	48.6 J	39.2 J	15.5	13.1
LEAD	MG/KG	NA	400	600	34.3	12.6	199	309	27	30.3
MERCURY	MG/KG	NA	14	270	0.1	0.05	0.07 J	2 J	0.14	0.09
NICKEL	MG/KG	NA	250	2400	9.3	9.5	7	10	6.5 J	6.9 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.49 U	0.5 B	0.93 B	1.2 U	0.82 N	0.51 BN
SILVER	MG/KG	NA	110	4100	0.29 U	0.32 U	0.72 U	0.74 U	0.25 UN	0.32 UN
THALLIUM	MG/KG	NA	2	2	0.97 U	1.1 U	2.4 U	2.5 U	0.82 U	1.1 U
ZINC	MG/KG	NA	1500	1500	64.3 N	63.3 N	126	209	91.1 N	74 N

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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E10-2159-02 3/24/2000 0 - 1 ft.	SB-E10-2159-05 3/24/2000 0 - 2 ft.	SB-E10-2160-03 3/16/2000 0 - 1 ft.	SB-E10-2160-05 3/16/2000 0 - 1 ft.	SB-E10-606-02 3/23/2000 0 - 2 ft.	SB-E10-615-04 3/23/2000 0 - 0.75 ft.	SB-E10-A1-02 3/16/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.69 UN	0.69 UN	1.4 UJ	1.3 UJ	0.63 UJ	0.68 UJ	1.4 UJ
ARSENIC	MG/KG	NA	20	20	4.4 N	1 N	5.9 N	5.6 N	6.8	6.1	6.2 N
BERYLLIUM	MG/KG	NA	2	2	0.33	0.12	0.35	0.33	0.5	0.54	0.36
CADMIUM	MG/KG	NA	39	100	0.61	0.69	0.45 B	0.37 B	0.32 U	0.34 U	0.36 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.6	4.4	12.6	11.8	16.8	12.3	16.3
COPPER	MG/KG	NA	600	600	16.5	111	77.6 J	43.4 J	14.7 J	11.5 J	25 J
LEAD	MG/KG	NA	400	600	75.7	31.6	96.8	16	14.5	40.3	31.9
MERCURY	MG/KG	NA	14	270	0.09	0.07	0.16 J	0.03 J	0.03 B	0.07	0.21 J
NICKEL	MG/KG	NA	250	2400	9.1	8.7	7.8	6.9	7	6.9	10.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.51 B	0.42 B	1 B	1.1 U	0.58	0.9	1.1 B
SILVER	MG/KG	NA	110	4100	0.34 U	0.33 B	0.68 U	0.67 U	0.32 U	0.34 U	0.69 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.1 U	2.3 U	2.2 U	1.9	1 B	2.3 U
ZINC	MG/KG	NA	1500	1500	289 N	189 N	86.7	37.2	69.3	69.5	44.4

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2-01 6/16/2000 0 - 1.5 ft.	SB-E9-2-03 3/24/2000 0 - 1 ft.	SB-E9-2153-02 3/23/2000 0 - 1.5 ft.	SB-E9-2161-04 3/17/2000 0 - 2 ft.	SB-E9-2296-04 3/21/2000 0 - 2 ft.	SB-E9-2296-05 3/21/2000 0 - 1 ft.	SB-E9-2296-06 3/21/2000 0 - 1 ft.	SB-E9-2296-07 3/21/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.515 J	0.48 UN	0.65 UJ	1.4 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.4 UJ
ARSENIC	MG/KG	NA	20	20	2.97	3.9 N	3.9 N	8.7 J	2.8 J	5.5 J	3.6 J	5.2 J
BERYLLIUM	MG/KG	NA	2	2	0.284	0.39	0.38	0.54	0.42	0.51	0.4	0.88
CADMIUM	MG/KG	NA	39	100	0.637	0.08 B	0.33 U	2.6	0.63 U	0.64 U	0.59 U	0.68 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.81	12.5	16	12.1 J	9.3 J	14.4 J	8.4 J	48.4 J
COPPER	MG/KG	NA	600	600	19.1	20.4	**636**	39.4	12.5 J	17.7 J	40.6 J	33.4 J
LEAD	MG/KG	NA	400	600	11.2	19.3	35.2	67.1 J	7.7 J	18.8 J	12 J	10.7 J
MERCURY	MG/KG	NA	14	270	0.034	0.08	0.07	0.07	0.06	0.06	0.05	0.05
NICKEL	MG/KG	NA	250	2400	4.81	6.2	8.4	7.7 J	7 J	9 J	6.4 J	12.2 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.534 U	0.52	0.54 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
SILVER	MG/KG	NA	110	4100	0.32 U	0.24 U	0.33 U	0.69 U	0.63 U	0.64 U	0.59 U	0.68 U
THALLIUM	MG/KG	NA	2	2	1.07 U	0.8 U	0.94 B	2.3 U	1.2 B	2.1 U	2.2 U	1.6 B
ZINC	MG/KG	NA	1500	1500	47.6	58.2 N	260 N	136	43.1 J	50.7 J	88.4 J	70.2 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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D = Indicates compound was found in analysis as a secondary dilution factor
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-2296B-03 3/21/2000 0 - 2 ft.	SB-E9-2296B-04 6/16/2000 0 - 2 ft.	SB-E9-2296D-01 3/21/2000 0 - 1.5 ft.	SB-E9-2296D-03 6/16/2000 0 - 2 ft.	SB-E9-2297-02 7/12/2000 0 - 1 ft.	SB-E9-556-04 3/17/2000 0 - 1 ft.	SB-E9-558B-03 3/23/2000 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.3 UJ	0.606 U	1.2 UJ	0.332 J	0.618 UJ	1.3 UJ	0.67 UJ
ARSENIC	MG/KG	NA	20	20	3.4 J	2.95	3.8 J	5.37	**24.5**	3.5 J	5.2
BERYLLIUM	MG/KG	NA	2	2	0.38	0.224	0.28	0.148	0.289	0.41	0.71
CADMIUM	MG/KG	NA	39	100	0.65 U	0.16 J	0.6 U	0.169 J	0.473	0.22 B	0.34 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.4 J	8.47	10.2 J	9.99	21.4	7.7 J	15
COPPER	MG/KG	NA	600	600	6.3 J	7.17	8.6 J	24.3	64	12.9	32.4 J
LEAD	MG/KG	NA	400	600	8.2 J	2.82	9.2 J	19.7	223 J	16 J	38.5
MERCURY	MG/KG	NA	14	270	0.06	0.031 U	0.04	0.076	0.186	0.02 B	0.11
NICKEL	MG/KG	NA	250	2400	2.5 J	1.98	4.5 J	5.04	8.53	5.4 J	9.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1 U	0.356 J	1 U	0.374 J	0.79	0.96 B	0.53 B
SILVER	MG/KG	NA	110	4100	0.65 U	0.303 U	0.6 U	0.308 U	0.309 U	0.66 U	0.34 U
THALLIUM	MG/KG	NA	2	2	2.2 U	1.01 U	2 U	1.03 U	1.03 U	2.2 U	**2.1**
ZINC	MG/KG	NA	1500	1500	48.3 J	36.7	77.4 J	38.3	292	60.3	147

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E9-560-03 3/17/2000 0 - 0.8 ft.	SB-E9-562-01 3/23/2000 0 - 1 ft.	SB-E9-6-01 3/23/2000 0 - 0.5 ft.	SB-E9-6-03 3/23/2000 0 - 0.5 ft.	SB-E9-6-04 3/23/2000 0 - 1 ft.	SB-E9-610-04 3/17/2000 0 - 1 ft.	SB-E9-A7-01 3/23/2000 0 - 1 ft.	SB-F10-11-01 3/24/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.5 UJ	0.71 UJ	0.6 UJ	0.57 UJ	0.65 UJ	1.4 UJ	0.67 UJ	0.69 UN
ARSENIC	MG/KG	NA	20	20	9.7 J	4.2	2.3 N	7.7 N	4.7 N	4.8 J	7.8 N	**22.3 N**
BERYLLIUM	MG/KG	NA	2	2	0.8	0.6	0.36	0.43	0.37	0.57	0.35	0.58
CADMIUM	MG/KG	NA	39	100	0.36 B	0.35 U	0.49	0.29 U	0.33 U	0.49 B	0.34 U	0.12 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.3 J	15.8	8.3	15.7	11.8	12 J	14.5	12.7
COPPER	MG/KG	NA	600	600	19	14.6 J	86.7	23.9	62.6	18.1	127	20.7
LEAD	MG/KG	NA	400	600	71.4 J	19.2	18.6	65.6	40.5	44.8 J	34	56.7
MERCURY	MG/KG	NA	14	270	0.09	0.04	0.05	0.06	0.09	0.06	0.09	0.11
NICKEL	MG/KG	NA	250	2400	9.5 J	9.1	6.5	7.4	9.1	6.3 J	7.3	7.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1 B	0.55 B	0.5 U	0.48 U	0.54 U	1.3	0.48 B	1
SILVER	MG/KG	NA	110	4100	0.75 U	0.35 U	0.3 U	0.29 U	0.33 U	0.7 U	0.34 U	0.35 U
THALLIUM	MG/KG	NA	2	2	2.5 U	**2.7**	0.99 U	1.1	0.57 B	2.3 U	0.94 B	1.1 U
ZINC	MG/KG	NA	1500	1500	84.2	50	67.3 N	84.7 N	66.1 N	152	77.7 N	69.7 N

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2096-06 3/21/2000 0 - 1 ft.	SB-F10-2096-07 3/21/2000 0 - 1 ft.	SB-F10-2096-08 3/21/2000 0 - 1 ft.	SB-F10-2145-04 3/23/2000 0 - 1 ft.	SB-F10-2162-02 6/23/2000 0 - 1.25 ft.	SB-F10-2162-04 3/30/2000 0 - 1 ft.	SB-F10-2323-02 3/17/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.4 UJ	1.3 UJ	1.3 UJ	0.71 UJ	NR	0.59 UN	1.6 UJ
ARSENIC	MG/KG	NA	20	20	12.3 J	3.8 J	9 J	4.5	NR	5.9 N	7.4 J
BERYLLIUM	MG/KG	NA	2	2	0.46	0.42	0.41	0.6	NR	0.23	0.64
CADMIUM	MG/KG	NA	39	100	0.44 B	0.93	0.18 B	2.9	NR	0.82	1.7
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.1 J	13.4 J	11.5 J	38.9	NR	20.2	15.7 J
COPPER	MG/KG	NA	600	600	22.3 J	32.8 J	524 J	552 J	NR	46.3 N	105
LEAD	MG/KG	NA	400	600	176 J	146 J	151 J	249	NR	223	156 J
MERCURY	MG/KG	NA	14	270	0.11	0.14	0.06	1.2	NR	0.42 J	0.21
NICKEL	MG/KG	NA	250	2400	9.1 J	14.3 J	7.9 J	14.1	NR	6.3	11.1 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	7	7.19	NR
SELENIUM	MG/KG	NA	63	3100	1.1 U	1.1 U	1.1 U	0.83	NR	0.57 N	0.88 B
SILVER	MG/KG	NA	110	4100	0.68 U	0.67 U	0.66 U	0.23 B	NR	0.3 U	0.78 U
THALLIUM	MG/KG	NA	2	2	**2.7**	2.2 U	**2.2 J**	1.7	NR	0.99 U	2.6 U
ZINC	MG/KG	NA	1500	1500	418 J	374 J	122 *N	255	NR	365 N	512

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-2323-05 3/17/2000 0 - 0.5 ft.	SB-F10-2356-04 3/23/2000 0 - 0.5 ft.	SB-F10-2356-06 3/23/2000 0 - 2 ft.	SB-F10-2356-07 3/23/2000 0 - 1 ft.	SB-F10-460-01 3/16/2000 0 - 1 ft.	SB-F10-462-01 3/16/2000 0 - 2 ft.	SB-F10-464-01 3/16/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.4 UJ	0.6 UN	0.59 UN	0.63 UJ	1.5 UJ	1.5 UJ	1.7 UJ
ARSENIC	MG/KG	NA	20	20	**158 J**	2.4	3.4	3.3	5 N	5.5 N	14.7 N
BERYLLIUM	MG/KG	NA	2	2	0.43	0.3	0.32	0.4	0.58	0.46	0.5
CADMIUM	MG/KG	NA	39	100	0.52 B	0.35	0.48	0.54	0.46 B	0.37 B	0.87
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	54.5 J	8.5 J	11.3 J	12 J	15.3	16.2	15.4
COPPER	MG/KG	NA	600	600	120	11.8	38.2	17.6	17.4 J	15.9 J	33.6 J
LEAD	MG/KG	NA	400	600	236 J	6.1	23.7	22.7	**3480**	55.5	170
MERCURY	MG/KG	NA	14	270	0.09	0.03 U	0.12	0.08	0.13 J	0.11 J	0.33 J
NICKEL	MG/KG	NA	250	2400	13.4 J	6.7 J	5.4 J	9.2 J	7.6	8	12.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.78 B	0.5 UN	0.81 N	0.85 J	1.3	1.3	3.3
SILVER	MG/KG	NA	110	4100	0.69 U	0.3 UN	0.3 UN	0.32 UJ	0.73 U	0.75 U	0.87 U
THALLIUM	MG/KG	NA	2	2	2.3 U	1 U	0.99 U	1.1 U	2.4 U	2.5 U	2.9 U
ZINC	MG/KG	NA	1500	1500	119	30.3 N	66.9 N	76.4 J	75	70.9	161

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-464-05 3/16/2000 0 - 1 ft.	SB-F10-7-03 3/23/2000 0 - 1.5 ft.	SB-F10-8-01 3/21/2000 0 - 1 ft.	SB-F10-8-04 6/16/2000 0 - 1 ft.	SB-F10-8237-04 3/17/2000 0 - 1 ft.	SB-F10-8237-05 3/17/2000 0 - 2 ft.	SB-F10-8274-02 3/17/2000 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.9 UJ	0.36 J	1.4 UJ	0.607 U	1.6 UJ	1.4 UJ	1.5 UJ
ARSENIC	MG/KG	NA	20	20	8.7 N	5.6	16.2 J	4.81	3.7 J	5.6 J	8.4 J
BERYLLIUM	MG/KG	NA	2	2	0.37	0.29	0.71	0.495	0.15 B	0.53	0.33
CADMIUM	MG/KG	NA	39	100	0.71 B	0.36 U	0.22 B	0.369	1.2	0.7 B	2.4
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.9	5.4	20.4 J	11.1	29.2 J	13.7 J	23.9 J
COPPER	MG/KG	NA	600	600	38 J	10.3 J	47.5 J	23	32.5	331	84.1
LEAD	MG/KG	NA	400	600	137	19.1	48.1 J	22.3	116 J	70.8 J	235 J
MERCURY	MG/KG	NA	14	270	0.32 J	0.11	0.06	0.043	0.29	2.2	1.2
NICKEL	MG/KG	NA	250	2400	13.3	3.2	14.1 J	9.68	7.6 J	11.6 J	14.5 J
pH	PH	NA	NA	NA	NR	8.14	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.2	0.6 U	1.1 U	0.506 U	1.2 B	0.84 B	1.6
SILVER	MG/KG	NA	110	4100	0.95 U	0.34 U	0.69 U	0.304 U	0.78 U	0.7 U	0.74 U
THALLIUM	MG/KG	NA	2	2	3.2 U	**2.3**	1.6 B	1.01 U	2.6 U	2.3 U	2.5 U
ZINC	MG/KG	NA	1500	1500	155	28.5	790 J	64.6	592	223	697

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F10-8274-04 3/17/2000 0 - 0.5 ft.	SB-F10-8564-01 3/17/2000 0 - 0.5 ft.	SB-F10-8569-03 3/17/2000 0 - 1 ft.	SB-F11-2016-01 3/24/2000 0 - 1.5 ft.	SB-F11-2016-06 3/24/2000 0 - 2 ft.	SB-F11-2016-07 3/24/2000 0 - 2 ft.	SB-F8-1-02 3/23/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.2 UJ	1.5 UJ	1.4 UJ	0.72 UJ	0.51 UN	0.58 UN	0.59 UJ
ARSENIC	MG/KG	NA	20	20	7.7 J	7.3 J	4.6 J	11.9 J	19.5 N	16.5 N	2.3 N
BERYLLIUM	MG/KG	NA	2	2	0.39	0.71	0.47	0.47	0.43	0.68	0.46
CADMIUM	MG/KG	NA	39	100	0.91	0.4 B	1.9	0.97	0.66	0.18 B	0.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	27.7 J	13.9 J	36.2 J	15	10.2	15.5	6.8
COPPER	MG/KG	NA	600	600	83.8	22.9	227	39.8	60.9	15.6	13.4
LEAD	MG/KG	NA	400	600	126 J	68.8 J	78.6 J	132	43	18.9	24.3
MERCURY	MG/KG	NA	14	270	1.4	0.32	3.7	0.91	0.27	0.17	0.03 B
NICKEL	MG/KG	NA	250	2400	8.9 J	11.2 J	21 J	10	10.3	8.7	5.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.91 B	0.94 B	1 B	1.3	1.5	1	0.49 U
SILVER	MG/KG	NA	110	4100	0.58 U	0.73 U	0.68 U	0.36 U	0.27	0.29 U	0.3 U
THALLIUM	MG/KG	NA	2	2	1.9 U	2.4 U	2.3 U	1.2 U	0.84 U	0.97 U	0.78 B
ZINC	MG/KG	NA	1500	1500	172	98.6	322	76.8 J	1160 N	71.8 N	52.1 N

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2-01 3/23/2000 0 - 1.5 ft.	SB-F8-2107-01 3/21/2000 0 - 1 ft.	SB-F8-2107-02 3/21/2000 0 - 1 ft.	SB-F8-2107-05 3/21/2000 0 - 0.5 ft.	SB-F8-2116-09 3/16/2000 0 - 0.5 ft.	SB-F8-2116-10 3/16/2000 0 - 0.5 ft.	SB-F8-2117-07 3/24/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.6 UJ	0.7 UN	0.69 UN	0.66 UN	1.4 UN	1.3 UJ	0.7 UN
ARSENIC	MG/KG	NA	20	20	2.4 N	5.1	4	4.3	**20.9 N**	12.4 N	**40.8 N**
BERYLLIUM	MG/KG	NA	2	2	0.52	0.52	0.45	0.56	0.3	0.5	0.22
CADMIUM	MG/KG	NA	39	100	0.3 U	0.66	0.87	0.83	0.95	0.98	0.38
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.4	17.6 J	13.2 J	16.9 J	56.3	48.5	13.2
COPPER	MG/KG	NA	600	600	15	156	56	44.1	**723 *N**	49.9 J	28.4
LEAD	MG/KG	NA	400	600	5.3	133	68.6	65.1	256	166	31
MERCURY	MG/KG	NA	14	270	0.03 U	0.44	0.46	0.11	0.16 *	0.04 J	0.11
NICKEL	MG/KG	NA	250	2400	6.6	8.6 J	11.6 J	11.2 J	17.2	7.1	8.1
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 U	0.89 N	1.2 N	0.86 N	0.92 B	0.98 B	0.62
SILVER	MG/KG	NA	110	4100	0.3 U	0.35 UN	0.34 UN	0.33 UN	0.68 U	0.67 U	0.35 U
THALLIUM	MG/KG	NA	2	2	1.5	1.2 U	1.1 U	1.1 U	2.3 U	2.2 U	1.2 U
ZINC	MG/KG	NA	1500	1500	39 N	206 N	297 N	353 N	434	621	125 N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2118-02 3/23/2000 0 - 1 ft.	SB-F8-2118-10 3/23/2000 0 - 1 ft.	SB-F8-2144-03 3/21/2000 0 - 1.5 ft.	SB-F8-2144-06 3/21/2000 0 - 2 ft.	SB-F8-2150-02 3/16/2000 0 - 0.5 ft.	SB-F8-2150-05 3/16/2000 0 - 0.75 ft.	SB-F8-2151-01 3/23/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.62 UJ	0.64 UJ	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ	0.59 UJ
ARSENIC	MG/KG	NA	20	20	**36.2 N**	5.9 N	6.1 J	5.1 J	**30 N**	**32.8 N**	3.2 N
BERYLLIUM	MG/KG	NA	2	2	0.33	0.42	0.49	0.47	0.33	0.57	0.32
CADMIUM	MG/KG	NA	39	100	0.31 U	0.32 U	1.6	0.71 U	0.38 B	0.98	0.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	55.2	14.3	19.8 J	22.3 J	21.8	16.2	7.1
COPPER	MG/KG	NA	600	600	18.5	19.5	**878 J**	36.6 J	100 J	372 J	509
LEAD	MG/KG	NA	400	600	16.8	33	156 J	241 J	193	**1330**	12.4
MERCURY	MG/KG	NA	14	270	0.07	0.03 B	0.29	0.04	0.05 J	0.07 J	0.04 U
NICKEL	MG/KG	NA	250	2400	5.9	7.8	12.1 J	11.4 J	10.1	11.4	5.8
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.35 B	0.53 U	1.3 U	1.2 U	1.2 U	1.5	0.49 U
SILVER	MG/KG	NA	110	4100	0.31 U	0.31 U	0.66 B	0.72 U	0.71 U	0.73 U	0.3 U
THALLIUM	MG/KG	NA	2	2	0.76 B	0.74 B	2.5 U	2.4 U	2.4 U	2.4 U	0.87 B
ZINC	MG/KG	NA	1500	1500	56.6 N	67.5 N	1300 J	50 J	158	342	69.5 N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-2151-06 3/23/2000 0 - 2 ft.	SB-F8-2152-02 3/23/2000 0 - 0.5 ft.	SB-F8-2207-01 3/23/2000 0 - 2 ft.	SB-F8-2207-03 3/23/2000 0 - 0.5 ft.	SB-F8-2208-01 3/23/2000 0 - 1.5 ft.	SB-F8-2208-03 3/23/2000 0 - 2 ft.	SB-F8-3-01 3/23/2000 0 - 0.5 ft.	SB-F8-4-02 3/23/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.56 UJ	0.62 UJ	0.6 UJ	0.57 UJ	0.66 UJ	0.61 UJ	0.58 UJ	0.61 UJ
ARSENIC	MG/KG	NA	20	20	4.6 N	4 N	3.8 N	3.7 N	7.3	2.4 N	8.5 N	5.4 N
BERYLLIUM	MG/KG	NA	2	2	0.36	0.42	0.42	0.56	0.53	0.42	0.61	0.78
CADMIUM	MG/KG	NA	39	100	0.28 U	0.06 B	0.3 U	0.77	0.33 U	0.3 U	0.14 B	0.3 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.3	8.7	11.2	15	14.6	10.5	16.5	15.4
COPPER	MG/KG	NA	600	600	521	18	11.6	75.3	17.9 J	11.4	74.3	20.1
LEAD	MG/KG	NA	400	600	112	23.1	8.9	77.5	30	18.9	114	27.9
MERCURY	MG/KG	NA	14	270	0.05	0.02 B	0.03 B	0.09	0.04	0.03 U	0.15	0.12
NICKEL	MG/KG	NA	250	2400	7.9	6.2	6.5	11.8	8.3	6.2	16.6	11.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	6.29	NR
SELENIUM	MG/KG	NA	63	3100	0.47 U	0.51 U	0.5 U	0.34 B	0.46 B	0.5 U	0.5	0.51 U
SILVER	MG/KG	NA	110	4100	0.28 U	0.31 U	0.3 U	0.28 U	0.33 U	0.3 U	0.29 U	0.3 U
THALLIUM	MG/KG	NA	2	2	0.86 B	1 U	1	**2**	1.8	1	1.2	1.7
ZINC	MG/KG	NA	1500	1500	79.5 N	99 N	62.9 N	162 N	95.2	53.3 N	115 N	74.4 N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F8-563D-02 3/23/2000 0 - 0.5 ft.	SB-F8-567-05 3/16/2000 0 - 0.5 ft.	SB-F8-573-02 7/14/2000 0 - 1 ft.	SB-F8-575-02 12/17/1999 0 - 1 ft.	SB-F8-575-04 4/18/2000 0 - 1 ft.	SB-F8-9-02 3/23/2000 0 - 0.5 ft.	SB-F8-A5-03 3/21/2000 0 - 0.5 ft.	SB-F8-A9-02 3/23/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.74 UJ	1.3 UJ	0.668 U	1.2 UJ	0.61 UJ	0.44 J	1.3 UJ	0.67 UJ
ARSENIC	MG/KG	NA	20	20	7.5	4.3 N	5.59 J	9.6 J	2.8 *	**50.3 N**	6.6 J	4.6
BERYLLIUM	MG/KG	NA	2	2	0.51	0.46	0.548	0.66 B	0.34	0.44	0.4	0.51
CADMIUM	MG/KG	NA	39	100	0.31 B	0.32 B	0.695	0.69 U	0.08 B	0.33 U	0.31 B	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.9	13.7	17.4	13.8 J	11.4 *	14.3	13.4 J	13.4
COPPER	MG/KG	NA	600	600	398 J	43.6 J	53.4	35.3 J	31.1 J	53.7	39 J	39.5 J
LEAD	MG/KG	NA	400	600	64.8	49.7	71	56.2	24 J	76.3	80.4 J	40.3
MERCURY	MG/KG	NA	14	270	1.5	0.15 J	0.043 J	0.06 J	0.04 J	0.11	0.08	0.1
NICKEL	MG/KG	NA	250	2400	12.4	9.1	9.99	9.7 J	6.6 *	11	8.4 J	8.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.47 B	0.83 B	1.01	1.7 J	0.51 UN	0.61	1.1 U	0.66
SILVER	MG/KG	NA	110	4100	0.37 U	0.67 U	0.334 U	0.69 U	0.31 U	0.33 U	0.64 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.6	2.2 U	1.11 UJ	2.3 U	1 U	1.2	2.1 U	1.6
ZINC	MG/KG	NA	1500	1500	125	74	194	137	95.7 J	100 N	135 J	70.4

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-1-01 6/23/2000 0 - 1 ft.	SB-F9-1-04 3/30/2000 0 - 1 ft.	SB-F9-16-04 12/21/1999 0 - 1 ft.	SB-F9-16-05 12/21/1999 0 - 1.5 ft.	SB-F9-2105-01 3/17/2000 0 - 1 ft.	SB-F9-2105-05 3/17/2000 0 - 0.5 ft.	SB-F9-2105A-01 12/21/1999 0 - 1 ft.	SB-F9-2105A-04 4/18/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.547 UJ	0.49 UN	1.3 UN	0.54 UN	1.4 UJ	1.4 UJ	0.57 UN	0.56 UJ
ARSENIC	MG/KG	NA	20	20	3.97	5.2 N	8.5	2.6	5.1 J	4.4 J	5.4 N	4.5 J
BERYLLIUM	MG/KG	NA	2	2	0.448	0.7	0.64 B	0.54	0.44	0.48	0.74	0.63
CADMIUM	MG/KG	NA	39	100	0.274 U	0.25 U	0.68 B	0.08 U	0.28 B	1.2	0.3 U	0.22 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.1 J	13.9	16.2	11.2	11.5 J	25.1 J	47.9	13.6
COPPER	MG/KG	NA	600	600	75	248 N	39	33.2	111	**1190**	66.3	49.1 J
LEAD	MG/KG	NA	400	600	72.8	89	116	15	37.8 J	140 J	63.3	63.7 J
MERCURY	MG/KG	NA	14	270	0.148 J	0.21 J	0.13 J	0.02 J	0.26	0.3	2.2 J	0.16
NICKEL	MG/KG	NA	250	2400	11 J	10.1	10.5	5.9	8.2 J	13.7 J	10.6	9.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.456 U	1.1 N	1.3	1.1	0.82 B	1.1 U	1.1	0.37 B
SILVER	MG/KG	NA	110	4100	0.274 U	0.25 U	0.76 U	0.33 U	0.69 U	0.69 U	0.34 U	0.28 U
THALLIUM	MG/KG	NA	2	2	0.912 U	0.64 B	2.5 U	1.1 U	2.3 U	2.3 U	0.7 B	0.94 UN
ZINC	MG/KG	NA	1500	1500	143 J	321 N	252	43.6	88.1	291	141	119 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2105B-01 3/23/2000 0 - 1 ft.
Metals, Total					
ANTIMONY	MG/KG	NA	14	340	0.7 UJ
ARSENIC	MG/KG	NA	20	20	7.9
BERYLLIUM	MG/KG	NA	2	2	0.5
CADMIUM	MG/KG	NA	39	100	0.26 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	31.9
COPPER	MG/KG	NA	600	600	**3130 J**
LEAD	MG/KG	NA	400	600	194
MERCURY	MG/KG	NA	14	270	0.8
NICKEL	MG/KG	NA	250	2400	17.4
pH	PH	NA	NA	NA	NR
SELENIUM	MG/KG	NA	63	3100	0.61
SILVER	MG/KG	NA	110	4100	0.35 U
THALLIUM	MG/KG	NA	2	2	1.8
ZINC	MG/KG	NA	1500	1500	160

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2106-04 3/21/2000 0 - 1 ft.	SB-F9-2109-01 7/12/2000 0 - 1 ft.	SB-F9-2109-05 7/12/2000 0 - 1.5 ft.	SB-F9-2109-08 7/12/2000 0 - 1 ft.	SB-F9-2109C-01 3/21/2000 0 - 0.75 ft.	SB-F9-2109C-05 3/21/2000 0 - 0.5 ft.	SB-F9-2109D-02 12/21/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.4 UJ	0.651 UJ	0.607 UJ	0.624 UJ	1.3 UJ	1.4 UJ	0.55 UN
ARSENIC	MG/KG	NA	20	20	4.9 J	5.84	4.37	**5.76**	5.1 J	7.3 J	22.3 N
BERYLLIUM	MG/KG	NA	2	2	0.41	0.62	0.418	0.45	0.43	0.83	0.65
CADMIUM	MG/KG	NA	39	100	0.33 B	0.625	0.574	0.871	0.12 B	0.71 U	0.47
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.5 J	18.5	15.4	16.3	15.6 J	19.7 J	16.4
COPPER	MG/KG	NA	600	600	95 J	46.5	32.1	106	26.8 J	289 J	114
LEAD	MG/KG	NA	400	600	71.4 J	137 J	216 J	133 J	43.1 J	68 J	42.7
MERCURY	MG/KG	NA	14	270	0.29	0.224	2.03	0.375	0.09	0.11	0.07 J
NICKEL	MG/KG	NA	250	2400	7.2 J	9.96	10.8	12.2	9.5 J	12.3 J	8.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.81 B	1.28	1.07	0.831	1.1 U	1.2 U	1.7
SILVER	MG/KG	NA	110	4100	0.68 U	0.326 U	0.303 U	0.312 U	0.66 U	0.71 UJ	0.33 U
THALLIUM	MG/KG	NA	2	2	2.3 U	1.09 U	1.01 U	1.04 U	2.2 U	2.4 U	1.1 B
ZINC	MG/KG	NA	1500	1500	161 J	176	250	388	82.2 J	98.3 J	252

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-2109D-03 12/21/1999 0 - 1 ft.	SB-F9-2251-01 6/29/2000 0 - 1 ft.	SB-F9-2251-03 3/24/2000 0 - 0.5 ft.	SB-F9-2276-03 3/16/2000 0 - 1.5 ft.	SB-F9-2279-02 3/16/2000 0 - 2 ft.	SB-F9-5-03 12/21/1999 0 - 1.3 ft.	SB-F9-558A-01 3/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.58 UN	0.539 UJ	0.62 UN	1.4 UJ	1.3 UJ	0.56 UJ	0.67 UJ
ARSENIC	MG/KG	NA	20	20	2 N	5.98	2.7 N	5.8 N	**2.2 N**	3.9 N	4.9
BERYLLIUM	MG/KG	NA	2	2	0.19 B	0.424 J	0.87	0.49	0.52	0.6	0.66
CADMIUM	MG/KG	NA	39	100	0.16 U	0.91	0.67	0.41 B	0.29 B	0.04 U	0.34 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	7.6	50.2 J	11.7	13.4	11.3	15.1	16.2
COPPER	MG/KG	NA	600	600	68.5	157	111	212 J	17.2 J	46.9	27.5 J
LEAD	MG/KG	NA	400	600	13.1	119	10.8	34.5	**3.8**	81.7	312
MERCURY	MG/KG	NA	14	270	0.17 J	2.92 J	0.12	0.09 J	0.04 UJ	0.07 J	0.12
NICKEL	MG/KG	NA	250	2400	3.7	8.92	10.5	7.8	6.5	7.9	9.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.73	0.771	0.51 B	1.1 U	1.1 U	1.4	0.63
SILVER	MG/KG	NA	110	4100	0.12 U	0.243 J	0.31 U	0.68 U	0.67 U	0.34 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.2 U	1.63 J	1 U	2.3 U	2.2 U	0.83 B	1.9
ZINC	MG/KG	NA	1500	1500	62.5	278	381 N	392	46.2	101	142

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-563-01 3/16/2000 0 - 0.67 ft.	SB-F9-611-02 3/16/2000 0 - 0.5 ft.	SB-F9-7-03 12/21/1999 0 - 1 ft.	SB-F9-8-02 3/17/2000 0 - 0.5 ft.	SB-F9-8-05 3/17/2000 0 - 1 ft.	SB-F9-8188-01 12/21/1999 0 - 1 ft.	SB-F9-9-01 3/17/2000 0 - 0.5 ft.	SB-F9-9-05 3/17/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.3 UJ	1.3 UJ	0.55 UN	1.4 UJ	1.5 UJ	0.54 UN	1.4 UJ	1.6 UJ
ARSENIC	MG/KG	NA	20	20	25 N	8.2 J	3.8	5 J	4.7 J	7.7 N	5.2 J	5.8 J
BERYLLIUM	MG/KG	NA	2	2	0.52	0.44	0.7	0.47	0.49	0.69	0.45	0.49
CADMIUM	MG/KG	NA	39	100	0.47 B	0.56 B	0.05 U	0.42 B	0.43 B	0.39	0.36 B	0.45 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.6	11.5	14.5	13.3 J	13 J	20.5	11.7 J	14.2 J
COPPER	MG/KG	NA	600	600	32.4 J	190 J	21.2	34.3	22.3	74.3	32.4	38.3
LEAD	MG/KG	NA	400	600	811	67.3	15.8	53.3 J	29.5 J	66.1	47.7 J	63.6 J
MERCURY	MG/KG	NA	14	270	0.09 J	0.07 J	0.02 J	0.13	0.24	0.13 J	0.12	0.16
NICKEL	MG/KG	NA	250	2400	11.3	11.6	9	7.1 J	8.7 J	11	7 J	8.8 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1	1.3	1.3	1.2 U	1.2 B	1.3	0.86 B	0.99 B
SILVER	MG/KG	NA	110	4100	0.67 U	0.67 U	0.33 U	0.71 U	0.77 U	0.14 U	0.7 U	0.79 U
THALLIUM	MG/KG	NA	2	2	2.2 U	2.2 U	0.79 B	2.4 U	2.6 U	0.94 B	2.3 U	**2.6 U**
ZINC	MG/KG	NA	1500	1500	101	84.6	57.6	110	87.9	205	85.1	114

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-F9-A10-03 3/21/2000 0 - 0.5 ft.	SB-F9-A3-02 3/23/2000 0 - 1.5 ft.	SB-F9-A4-02 3/23/2000 0 - 0.5 ft.	SB-F9-A5-01 3/23/2000 0 - 0.5 ft.	SB-F9-A6-01 3/17/2000 0 - 1 ft.	SB-F9-C1-04 12/21/1999 0 - 1.3 ft.	SB-G7-1-01 12/16/1999 0 - 1 ft.	SB-G7-2-01 4/20/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.3 UJ	0.36 J	0.76 J	0.75 UJ	1.4 UJ	0.29 U	0.47 UN	0.73 UN
ARSENIC	MG/KG	NA	20	20	6.6 J	5.7	8.4	**9.8**	9 J	6.4 N	**23.1 J**	**3.9 *N**
BERYLLIUM	MG/KG	NA	2	2	0.49	0.41	0.37	0.69	0.58	0.53	0.6 J	0.23
CADMIUM	MG/KG	NA	39	100	0.37 B	0.35 U	0.37 U	0.37 U	0.66 B	0.19 U	0.28 U	0.36 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.4 J	14.4	18.9	20.5	17.7 J	11.2	29.8	13
COPPER	MG/KG	NA	600	600	121 J	230 J	441 J	58.9 J	147	32.2	27.7	8.8 *
LEAD	MG/KG	NA	400	600	46.4 J	77.8	219	255	104 J	42.2	**24.1**	**46.4 ***
MERCURY	MG/KG	NA	14	270	0.23	0.17	0.19	0.31	0.25	0.07 J	0.06 J	0.28 N
NICKEL	MG/KG	NA	250	2400	9.4 J	12.5	14.9	12.8	10.2 J	8.3	10.9 J	7.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.9 B	0.81	0.96	0.7	0.95 B	1.1	1.1 N	0.59 B
SILVER	MG/KG	NA	110	4100	0.63 U	0.35 U	0.37 U	0.37 U	0.68 U	0.3 U	0.28 U	0.36 U
THALLIUM	MG/KG	NA	2	2	**2.1 U**	1.3	3.2	2.2	2.3 U	0.99 U	0.94 U	1.2 UN
ZINC	MG/KG	NA	1500	1500	97.3 J	137	142	147	165	87.3	68.7 J	31.7

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2-04 12/16/1999 0 - 1 ft.	SB-G7-2115-04 12/21/1999 0 - 1 ft.	SB-G7-2115-06 12/21/1999 0 - 0.5 ft.	SB-G7-2115-07 12/21/1999 0 - 1 ft.	SB-G7-2149-01 12/21/1999 0 - 0.5 ft.	SB-G7-2149-04 12/21/1999 0 - 1 ft.	SB-G7-2164-01 12/21/1999 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.56 J	1.2 UN	0.46 J	0.86 U	1.2 U	1.2 U	0.31 U
ARSENIC	MG/KG	NA	20	20	**9.7 J**	**244**	**97.7**	**189**	**383**	378	162
BERYLLIUM	MG/KG	NA	2	2	0.71 J	0.68 B	0.59	0.56	0.45	0.56	0.55
CADMIUM	MG/KG	NA	39	100	0.41 U	5.5	1.1	0.26 U	0.6	0.7	1.4
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	42.3	21	41	83.2	13.5	12.2	39.5
COPPER	MG/KG	NA	600	600	25.9	115	452	376	61.1	41.5	**28.8**
LEAD	MG/KG	NA	400	600	**273**	419	563	582	218	192	302
MERCURY	MG/KG	NA	14	270	0.83 J	0.24 J	1.4 J	5.1 J	0.61 J	0.44 J	0.04 J
NICKEL	MG/KG	NA	250	2400	11.3 J	13.9	12.3	10	9	9	9.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2 J	1.4	1.6	1.9	1.5	1.5	1.1
SILVER	MG/KG	NA	110	4100	0.19 B	0.74 U	0.27 U	0.29 U	0.11 U	0.35 U	0.35 U
THALLIUM	MG/KG	NA	2	2	0.77 B	2.5 U	1.5 U	1.3 U	1.2 U	1.2 U	0.78 B
ZINC	MG/KG	NA	1500	1500	117 J	1050	469	160	142	173	289

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G7-2164-05 12/21/1999 0 - 0.5 ft.	SB-G8-2114-03 12/17/1999 0 - 1 ft.	SB-G8-2114-06 12/17/1999 0 - 1 ft.	SB-G8-2148-02 12/17/1999 0 - 1 ft.	SB-G8-2204-03 6/16/2000 0 - 1 ft.	SB-G8-2204-05 12/17/1999 0 - 1 ft.	SB-G8-2209-01 3/23/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.1 U	0.47 UN	3.1 UN	0.51 UN	0.646 U	0.51 UN	0.65 UJ
ARSENIC	MG/KG	NA	20	20	266	18.1 N	17 N	4.8 N	9.71	4.1 N	3.6
BERYLLIUM	MG/KG	NA	2	2	0.41	0.41	0.4 B	0.74	0.681	0.55	0.59
CADMIUM	MG/KG	NA	39	100	0.28 U	0.28 U	1.8 U	0.31 U	0.203 J	0.31 U	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	27.4	28 J	23.7 J	17.4 J	19.8	14 J	14.6
COPPER	MG/KG	NA	600	600	84.8	95.7 N	4780 N	337 N	20.8	29.8 N	20.6 J
LEAD	MG/KG	NA	400	600	229	28.7	90.8	58.9	66.7	35.6	32.1
MERCURY	MG/KG	NA	14	270	0.39 J	0.08 J	0.45 J	0.06 J	0.08	0.22 J	0.06
NICKEL	MG/KG	NA	250	2400	16.4	6.1 J	19.3 J	9.7 J	11.1	9.9 J	11.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.9	0.4 U	1.3 BN	0.74 N	0.897	0.51 UN	0.68
SILVER	MG/KG	NA	110	4100	0.13 U	0.28 U	1.8 U	0.31 U	0.323 U	0.31 U	0.33 U
THALLIUM	MG/KG	NA	2	2	0.65 B	0.72 B	6.1 U	**1.7**	0.749 J	1.2	2.1
ZINC	MG/KG	NA	1500	1500	95.1	120	111	65.1	58.9	65.7	51.2

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G8-2209-05 3/23/2000 0 - 1 ft.	SB-G8-2210-02 12/17/1999 0 - 2 ft.	SB-G8-2210-03 12/17/1999 0 - 1.5 ft.	SB-G8-2249-01 12/17/1999 0 - 1 ft.	SB-G8-2249-01 6/16/2000 0 - 1 ft.	SB-G8-2260-01 12/17/1999 0 - 1 ft.	SB-G8-C3-02 12/17/1999 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.61 UJ	0.53 UN	0.51 UN	0.56 UN	0.657 U	0.52 UN	0.56 UN
ARSENIC	MG/KG	NA	20	20	**3.1**	11.9 N	3.2 N	34.6 N	4.95	**4.2 N**	**5.3 N**
BERYLLIUM	MG/KG	NA	2	2	0.52	0.68	0.46	0.59	0.591	0.53	0.63
CADMIUM	MG/KG	NA	39	100	0.3 U	0.32 U	0.31 U	0.19 B	0.231 J	0.31 U	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.7	12.5 J	9.6 J	26.5 J	15	14.7 J	13.9 J
COPPER	MG/KG	NA	600	600	23.4 J	18.1 N	13.2 N	59.8 N	20	71.7 N	20.7 N
LEAD	MG/KG	NA	400	600	**28.1**	32.2	25.9	424	24	26.1	45.5
MERCURY	MG/KG	NA	14	270	0.05	0.2 J	0.1 J	0.29 J	0.07	0.39 J	0.11 J
NICKEL	MG/KG	NA	250	2400	6.5	12.2 J	7.1 J	9.6 J	**8.11**	10.4 J	8.9 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 U	1.4 N	0.52 N	0.66 N	0.746	0.68 N	0.65 N
SILVER	MG/KG	NA	110	4100	0.3 U	0.32 U	0.31 U	0.34 U	0.328 U	0.31 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.7	1.4	0.92 B	1.3	1.1 U	1.3	1.1
ZINC	MG/KG	NA	1500	1500	117	59.4	83.3	209	89.6	97.4	94.7

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Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-2108-02 12/21/1999 0 - 2 ft.	SB-G9-2108-05 12/21/1999 0 - 1 ft.	SB-G9-2123-01 12/17/1999 0 - 1.5 ft.	SB-G9-2123-05 12/17/1999 0 - 1.5 ft.	SB-G9-7-05 3/24/2000 0 - 1 ft.	SB-G9-7-11 3/24/2000 0 - 1 ft.	SB-G9-9322-02 4/7/2000 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.63 U	0.39 U	0.44 BN	6.2 N	0.56 UN	1.3 N	0.64 UJ
ARSENIC	MG/KG	NA	20	20	**12.8**	84.1	**83.1 N**	91.5 N	**6.8 N**	86.9 N	6.5 J
BERYLLIUM	MG/KG	NA	2	2	0.41 B	0.31 B	0.36	0.39	0.52	0.63	0.33 J
CADMIUM	MG/KG	NA	39	100	0.11 U	0.85	0.34 U	0.82	0.19 B	0.29 B	0.32 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	120	9.3	9.4 J	13.3 J	13.1	16.3	12
COPPER	MG/KG	NA	600	600	114	80.5	47.7 N	67.7 N	55.2	24.5	16.9
LEAD	MG/KG	NA	400	600	187	79.6	92.8	153	41.1	93.4	60.5 J
MERCURY	MG/KG	NA	14	270	0.32 J	0.42 J	0.31 J	1.2 J	0.14	0.19	0.11 J
NICKEL	MG/KG	NA	250	2400	258	6.3	5.6 J	9.6 J	7.5	9.1	6.8
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	5.6	1.3	1.4 N	0.58 N	1	1.3	0.37 B
SILVER	MG/KG	NA	110	4100	0.43 U	0.64	0.34 U	0.28 B	0.28 U	0.34 U	0.32 U
THALLIUM	MG/KG	NA	2	2	1.6 B	1.1 U	1.1	1.1 U	0.93 U	1.1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	266	76.1	99.2	503	70.2 N	80.7 N	52.8 J

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ft. = Feet below ground surface

Table 5-9E

Analytical Results
A-Line Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G9-9322-04 4/7/2000 0 - 1 ft.	SB-G9-A11-02 12/21/1999 0 - 0.8 ft.
Metals, Total						
ANTIMONY	MG/KG	NA	14	340	0.35 J	0.55 UN
ARSENIC	MG/KG	NA	20	20	281 N	3.5
BERYLLIUM	MG/KG	NA	2	2	0.33	0.54
CADMIUM	MG/KG	NA	39	100	0.49	0.12 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.2	10.7
COPPER	MG/KG	NA	600	600	42 J	14.7
LEAD	MG/KG	NA	400	600	174 J	8.5
MERCURY	MG/KG	NA	14	270	0.41	0.1 J
NICKEL	MG/KG	NA	250	2400	8.3	9.2
pH	PH	NA	NA	NA	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.3	1
SILVER	MG/KG	NA	110	4100	0.31 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1 U	1.1 U
ZINC	MG/KG	NA	1500	1500	65.8 N	67.6

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Table 5-10A

Analytical Results
Finishing Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-5-03 4/28/2000 0.5 - 1.0 ft.	SB-I7-8181-01 4/28/2000 0.5 - 1.0 ft.	SB-I7-8181-04 7/21/2000 0.5 - 1.0 ft.	SB-I9-515-01 4/28/2000 0.5 - 1.0 ft.	TP-I8-8236-06 8/8/2000 8 - 8.5 ft.
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	630 U	550 U	613 UJ	650 U	783 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	630 U	550 U	613 UJ	650 U	783 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	630 U	550 U	613 UJ	650 U	783 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	630 U	550 U	NR	650 U	783 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	630 U	550 U	613 UJ	650 U	783 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1300 U	1100 U	1230 UJ	1300 UJ	1570 UJ
ACROLEIN	UG/KG	NA	NA	NA	2500 U	2200 U	2450 UJ	2600 UJ	3130 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	630 U	550 U	6130 UJ	650 U	783 UJ
BENZENE	UG/KG	1000	3000	13000	630 U	550 U	613 UJ	650 U	783 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	630 U	550 U	613 UJ	650 U	783 UJ
BROMOFORM	UG/KG	1000	86000	370000	630 U	550 U	613 UJ	650 U	783 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1300 U	1100 U	1230 UJ	1300 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	630 U	550 U	613 UJ	650 U	783 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	630 U	550 U	613 UJ	650 U	783 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1300 U	1100 U	1230 UJ	1300 U	1570 UJ
CHLOROFORM	UG/KG	1000	19000	28000	210 JB	180 JB	613 UJ	140 U	783 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1300 U	1100 U	1230 UJ	1300 U	1570 UJ
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	630 U	550 U	NR	650 U	783 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	613 UJ	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 B	830 B	645 UJ	1100 U	783 UJ
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	630 U	550 U	613 UJ	650 U	783 UJ

Table 5-10A

Analytical Results
Finishing Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-5-03 4/28/2000 0.5 - 1.0 ft.	SB-I7-8181-01 4/28/2000 0.5 - 1.0 ft.	SB-I7-8181-04 7/21/2000 0.5 - 1.0 ft.	SB-I9-515-01 4/28/2000 0.5 - 1.0 ft.	TP-I8-8236-06 8/8/2000 8 - 8.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	630 U	550 U	613 UJ	650 U	783 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	630 U	550 U	613 UJ	650 U	783 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1300 U	1100 U	NR	1300 U	1570 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-2172A-03 7/13/2000 0 - 1.25 ft.	SB-H7-2172A-05 7/13/2000 0 - 1 ft.	SB-H7-642B-03 4/18/2000 0 - 2 ft.	SB-H8-2171-01 4/18/2000 0 - 1 ft.	SB-H8-2171-03 4/18/2000 0 - 2 ft.	SB-H8-2171-05 4/18/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	381 U	400 U	420 U	440 U	440 U	430 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	381 U	400 U	420 UJ	440 UJ	440 UJ	430 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	381 U	400 U	420 U	440 U	440 U	430 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	381 U	400 U	420 U	440 U	440 U	430 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	763 U	800 U	840 U	890 U	890 U	850 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	381 U	400 U	420 U	440 U	440 U	430 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	381 U	400 U	420 U	440 U	440 U	430 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	381 U	400 U	420 U	440 U	440 U	430 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	420 U	440 U	440 U	430 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	763 U	800 U	840 U	890 U	890 U	850 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	763 UJ	800 U	840 U	890 U	890 U	850 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	381 U	400 U	420 U	440 U	440 U	430 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	381 U	400 U	420 U	440 U	440 U	430 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	840 U	890 U	890 U	850 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	381 U	400 U	420 U	440 U	440 U	430 U
ANTHRACENE	UG/KG	100000	10000000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
BENZIDINE	UG/KG	NA	NA	NA	381 U	400 U	420 UJ	440 UJ	440 UJ	430 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	381 U	400 U	41 J	440 U	440 U	430 U
BENZO(a)PYRENE	UG/KG	100000	660	660	381 U	400 U	27 J	440 U	440 U	430 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	381 U	400 U	420 U	440 U	440 U	430 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	381 UJ	400 U	420 UJ	440 UJ	440 UJ	430 UJ
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	381 U	400 U	420 U	440 U	440 U	430 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	381 U	400 U	420 U	440 U	440 U	430 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	381 U	400 U	420 U	440 U	440 U	430 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	381 U	76.8 J	46 J	37 J	38 J	430 U
CHRYSENE	UG/KG	500000	9000	40000	381 U	400 U	420 U	440 U	440 U	430 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	381 U	84.4 J	420 U	440 U	440 U	430 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-2172A-03 7/13/2000 0 - 1.25 ft.	SB-H7-2172A-05 7/13/2000 0 - 1 ft.	SB-H7-642B-03 4/18/2000 0 - 2 ft.	SB-H8-2171-01 4/18/2000 0 - 1 ft.	SB-H8-2171-03 4/18/2000 0 - 2 ft.	SB-H8-2171-05 4/18/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	381 UJ	400 U	420 UJ	440 UJ	440 UJ	430 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	381 U	400 U	420 U	320 J	440 U	140 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	381 U	400 U	89 J	440 U	440 U	430 U
FLUORENE	UG/KG	100000	2300000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	NR	420 U	440 U	440 U	430 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	381 U	400 U	420 U	440 U	440 U	430 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	381 UJ	400 U	420 U	440 U	440 U	430 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	381 U	400 U	420 U	440 U	440 U	430 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	381 UJ	400 U	420 UJ	440 UJ	440 UJ	430 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	381 U	400 U	420 U	440 U	440 U	430 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	381 U	74.8 J	420 U	440 U	440 U	430 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	381 U	400 U	420 UJ	440 UJ	440 UJ	430 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	NR	420 U	440 U	440 U	430 U
NAPHTHALENE	UG/KG	100000	230000	4200000	381 U	400 U	420 U	440 U	440 U	430 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	763 U	800 U	840 U	890 U	890 U	850 U
PHENANTHRENE	UG/KG	NA	NA	NA	381 U	400 U	60 J	440 U	440 U	430 U
PHENOL	UG/KG	50000	10000000	10000000	381 U	400 UJ	420 U	440 U	440 U	430 U
PYRENE	UG/KG	100000	1700000	10000000	381 U	400 U	420 U	440 U	440 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2291-02 4/18/2000 0 - 1.25 ft.	SB-H8-2291-04 7/20/2000 0 - 1.5 ft.	SB-H8-558-03 4/20/2000 0 - 1.25 ft.	SB-H8-558-04 7/20/2000 0 - 1 ft.	SB-I10-1-03 4/27/2000 0 - 1 ft.	SB-I10-2-02 4/27/2000 0 - 2 ft.	SB-I10-2079-02 4/27/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	450 UJ	384 U	420 U	401 U	410 U	420 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	384 U	NR	401 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	900 U	768 U	840 U	801 U	820 U	840 U	760 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	450 U	384 UJ	420 U	401 UJ	410 U	420 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	900 U	768 U	840 U	801 U	820 U	840 U	760 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	900 U	768 U	840 U	801 U	820 U	840 U	760 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	900 U	768 U	840 U	801 U	820 U	840 U	760 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	450 U	384 U	420 U	65.3 J	410 U	420 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	450 UJ	384 UJ	420 U	401 UJ	410 UJ	420 UJ	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	450 U	384 U	98 J	327 J	42 J	46 J	30 J
BENZO(a)PYRENE	UG/KG	100000	660	660	450 U	384 U	99 J	331 J	44 J	56 J	38 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	450 U	384 U	160 J	465	410 U	78 J	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	450 UJ	384 U	420 U	228 J	410 U	420 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	450 U	384 U	420 U	156 J	410 U	420 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	450 U	384 U	420 U	401 U	410 U	420 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	450 U	384 U	420 UJ	401 U	410 UJ	420 UJ	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	450 U	NR	420 U	NR	410 U	420 U	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	27 J	41.5 J	27 J	210 J	21 J	260 J	170 J
CHRYSENE	UG/KG	500000	9000	40000	450 U	384 U	110 J	415	410 U	84 J	48 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	67 J	384 U	420 U	264 J	58 J	76 J	100 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	450 U	384 UJ	420 U	401 UJ	410 U	420 U	380 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2291-02 4/18/2000 0 - 1.25 ft.	SB-H8-2291-04 7/20/2000 0 - 1.5 ft.	SB-H8-558-03 4/20/2000 0 - 1.25 ft.	SB-H8-558-04 7/20/2000 0 - 1 ft.	SB-I10-1-03 4/27/2000 0 - 1 ft.	SB-I10-2-02 4/27/2000 0 - 2 ft.	SB-I10-2079-02 4/27/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	450 UJ	384 U	420 U	401 U	410 U	420 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	100 J	384 U	420 U	489	410 U	420 U	36 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	450 U	384 U	200 J	816	410 U	100 J	380 U
FLUORENE	UG/KG	100000	2300000	10000000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	450 U	384 U	420 U	401 U	410 UJ	420 UJ	380 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	450 UJ	384 U	420 U	183 J	410 U	420 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	450 U	384 U	420 U	401 U	410 UJ	420 UJ	380 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	450 U	384 U	420 U	401 U	410 UJ	420 UJ	380 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	450 UJ	384 U	420 UJ	401 U	410 UJ	420 UJ	380 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	450 U	384 U	420 U	401 U	410 U	420 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	900 U	768 U	840 U	801 U	820 U	840 U	760 U
PHENANTHRENE	UG/KG	NA	NA	NA	450 U	384 U	150 J	484	39 J	62 J	23 J
PHENOL	UG/KG	50000	10000000	10000000	450 U	384 U	420 U	401 U	410 UJ	420 UJ	380 UJ
PYRENE	UG/KG	100000	1700000	10000000	450 U	384 U	270 J	999 J	410 U	120 J	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2079-05 7/20/2000 0 - 1.25 ft.	SB-I10-2080-01 4/27/2000 0 - 1 ft.	SB-I10-2080-02 7/20/2000 0 - 1 ft.	SB-I10-3-02 4/27/2000 0 - 1 ft.	SB-I10-550-02 4/27/2000 0 - 1 ft.	SB-I10-552-04 4/27/2000 0 - 0.5 ft.	SB-I10-E50-01 7/20/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	381 U	NR	386 U	NR	NR	NR	389 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	761 U	730 U	772 U	770 U	830 U	880 U	778 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	381 UJ	**49 J**	386 UJ	380 U	420 U	440 U	389 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
2-NITROPHENOL	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	761 U	730 U	772 U	770 U	830 U	880 U	778 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	761 U	730 U	772 U	770 U	830 U	880 U	778 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
4-NITROPHENOL	UG/KG	NA	NA	NA	761 U	730 U	772 U	770 U	830 U	880 U	778 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	120 J	440 U	389 U
ANTHRACENE	UG/KG	100000	10000000	10000000	381 U	370 U	386 U	380 U	71 J	440 U	75.1 J
BENZIDINE	UG/KG	NA	NA	NA	381 UJ	370 UJ	386 UJ	380 UJ	420 U	440 UJ	389 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	381 U	39 J	42.1 J	48 J	440	54 J	500
BENZO(a)PYRENE	UG/KG	100000	660	660	381 U	43 J	40.9 J	52 J	500	51 J	372 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	381 U	370 U	386 U	85 J	710	440 U	793
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	310 J	440 U	182 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	381 U	370 U	386 U	380 U	210 J	440 U	276 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	381 U	370 U	386 U	380 U	420 U	440 U	389 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	381 U	370 UJ	386 U	380 UJ	420 UJ	440 UJ	389 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	370 U	NR	380 U	420 U	440 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25.5 J	41 J	36.3 J	24 J	23 J	39 J	389 U
CHRYSENE	UG/KG	500000	9000	40000	381 U	46 J	386 U	63 J	470	59 J	528
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	123 J	45 J	287 J	380 U	39 J	68 J	225 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	381 UJ	370 U	386 UJ	380 U	420 U	440 U	389 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2079-05 7/20/2000 0 - 1.25 ft.	SB-I10-2080-01 4/27/2000 0 - 1 ft.	SB-I10-2080-02 7/20/2000 0 - 1 ft.	SB-I10-3-02 4/27/2000 0 - 1 ft.	SB-I10-550-02 4/27/2000 0 - 1 ft.	SB-I10-552-04 4/27/2000 0 - 0.5 ft.	SB-I10-E50-01 7/20/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	381 U	370 U	386 U	380 U	110 J	440 U	389 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	381 U	370 U	230 J	380 U	420 U	440 U	389 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	381 U	370 U	90 J	85 J	760	87 J	984
FLUORENE	UG/KG	100000	2300000	10000000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	381 U	370 UJ	386 U	380 UJ	420 U	440 UJ	389 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	381 U	370 U	386 U	380 U	290 J	440 U	196 J
ISOPHORONE	UG/KG	50000	1100000	10000000	381 U	370 UJ	386 U	380 UJ	420 U	440 UJ	389 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	381 U	370 UJ	386 U	380 UJ	420 U	440 UJ	389 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	381 U	370 UJ	386 U	380 UJ	420 U	440 UJ	389 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	60.5 J	150 J	434	380 U	420 U	440 U	137 J
NAPHTHALENE	UG/KG	100000	230000	4200000	381 U	370 U	386 U	380 U	420 U	440 U	389 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	761 U	730 U	772 U	770 U	830 U	880 U	778 U
PHENANTHRENE	UG/KG	NA	NA	NA	381 U	22 J	386 U	49 J	250 J	64 J	117 J
PHENOL	UG/KG	50000	10000000	10000000	381 U	370 UJ	386 U	380 UJ	420 U	440 UJ	389 U
PYRENE	UG/KG	100000	1700000	10000000	381 U	370 U	104 J	140 J	560	440 U	839 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-E50-05 4/28/2000 0 - 1.25 ft.	SB-I7-15-04 7/19/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2124-05 4/20/2000 0 - 2 ft.	SB-I7-2124-06 4/20/2000 0 - 2 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	370 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	720 U	739 UJ	800 U	810 U	770 U	780 U	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	**275 J**	**95 J**	410 U	380 U	390 U	**6530 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	720 U	739 U	800 U	810 U	770 U	780 U	840 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	720 U	739 U	800 U	810 U	770 U	780 U	840 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	720 U	739 U	800 U	810 U	770 U	780 U	840 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	58.8 J	400 U	410 U	380 U	390 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	360 U	225 J	400 U	410 U	380 U	390 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	302 J	32 J	410 U	380 U	390 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	360 UJ	370 U	400 U	410 U	380 YJY	390 U	420 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	43 J	**1410**	150 J	63 J	380 U	390 U	420 U
BENZO(a)PYRENE	UG/KG	100000	660	660	40 J	**1350**	130 J	59 J	380 U	390 U	420 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	67 J	**1980**	210 J	85 J	380 U	390 U	420 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	360 U	741	400 U	410 U	380 U	390 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	360 U	746	400 U	410 U	380 U	390 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	370 U	400 U	410 U	380 U	390 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 UJ	370 U	400 UJ	410 UJ	380 UJ	390 UJ	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	360 U	NR	400 U	410 U	380 U	390 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U	400 U	28 J	380 U	390 U	420 U
CHRYSENE	UG/KG	500000	9000	40000	360 U	1670	160 J	60 J	380 U	390 U	420 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	120 J	135 J	110 J	55 J	34 J	36 J	930
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-E50-05 4/28/2000 0 - 1.25 ft.	SB-I7-15-04 7/19/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2124-05 4/20/2000 0 - 2 ft.	SB-I7-2124-06 4/20/2000 0 - 2 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	261 J	400 U	410 U	380 U	390 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	58 J	370 U	41 J	410 U	380 U	390 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	360 U	2930	260 J	100 J	380 U	390 U	420 U
FLUORENE	UG/KG	100000	2300000	10000000	360 U	323 J	400 U	410 U	380 U	390 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 UJ	370 U	400 U	410 U	380 U	390 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 U	370 UJ	400 U	410 U	380 UJ	390 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	360 U	751	400 U	410 U	380 U	390 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 UJ	370 U	400 U	410 U	380 U	390 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 UJ	370 U	400 U	410 U	380 U	390 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 UJ	370 U	400 UJ	410 UJ	380 UJ	390 UJ	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	98 J	257 J	320 J	86 J	380 U	390 U	280 J
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	370 U	400 U	410 U	380 U	390 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	720 U	739 U	800 U	810 U	770 U	780 U	840 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 U	2460	130 J	71 J	380 U	390 U	420 U
PHENOL	UG/KG	50000	10000000	10000000	360 UJ	370 U	400 U	410 U	380 U	390 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	360 U	3010	230 J	110 J	380 U	390 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-3-03 4/20/2000 0 - 1.5 ft.	SB-I7-4-01 4/20/2000 0 - 1 ft.	SB-I7-5-03 4/28/2000 0 - 1.25 ft.	SB-I7-566A-01 7/13/2000 0 - 2 ft.	SB-I7-8181-01 4/28/2000 0 - 2 ft.	SB-I7-8181-04 7/21/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	460 U	460 U	630 U	429 U	430 U	381 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	460 U	460 U	630 U	429 U	430 U	381 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	460 U	460 U	630 U	429 U	430 U	381 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	460 U	460 U	630 U	429 U	430 U	381 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	381 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	460 U	460 U	NR	429 U	430 U	381 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	460 U	460 U	NR	429 U	430 U	381 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	930 U	930 U	NR	859 U	850 U	762 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**9250 *D**	**39 J**	460 U	NR	429 U	430 U	**430**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	460 U	460 U	NR	429 U	430 U	381 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	NR	430 U	381 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	930 U	930 U	NR	859 U	850 U	762 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	930 U	930 U	NR	859 U	850 U	762 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	930 U	930 U	NR	NR	850 U	762 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	460 UJ	460 UJ	NR	429 U	430 UJ	381 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	460 U	460 U	NR	59.7 J	430 U	381 U
BENZO(a)PYRENE	UG/KG	100000	660	660	24 J	460 U	460 U	NR	61.4 J	430 U	381 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	460 U	460 U	NR	97.5 J	430 U	381 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	460 U	460 U	NR	429 U	430 U	381 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	460 U	460 U	NR	429 U	84 J	381 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	429 U	430 U	381 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 UJ	460 UJ	460 UJ	NR	429 U	430 UJ	381 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	460 U	460 U	NR	429 U	430 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	38 J	460 U	25 J	NR	32.6 J	110 J	32 J
CHRYSENE	UG/KG	500000	9000	40000	39 J	460 U	460 U	NR	117 J	430 U	381 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	12000 *D	1300	95 J	NR	93.6 J	210 J	235 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-3-03 4/20/2000 0 - 1.5 ft.	SB-I7-4-01 4/20/2000 0 - 1 ft.	SB-I7-5-03 4/28/2000 0 - 1.25 ft.	SB-I7-566A-01 7/13/2000 0 - 2 ft.	SB-I7-8181-01 4/28/2000 0 - 2 ft.	SB-I7-8181-04 7/21/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	460 U	460 U	NR	429 U	430 U	381 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	460 U	460 U	NR	429 U	230 J	381 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	460 U	460 U	NR	115 J	430 U	381 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	460 U	460 U	NR	429 U	430 U	381 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	460 U	460 U	NR	NR	430 U	381 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	460 U	460 U	630 U	429 U	430 UJ	381 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	460 UJ	460 UJ	NR	429 U	430 U	381 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	460 U	460 U	NR	429 U	430 U	381 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	460 U	460 U	NR	429 U	430 U	381 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	460 U	460 U	NR	429 U	430 UJ	381 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	460 U	460 U	NR	429 U	430 UJ	381 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	460 UJ	460 UJ	NR	429 U	430 UJ	381 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1300	460 U	460 U	NR	NR	150 J	129 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	460 U	460 U	630 U	429 U	430 U	381 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	930 U	930 U	NR	859 U	850 U	762 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	460 U	460 U	NR	86.3 J	430 U	381 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	460 U	460 U	NR	429 U	430 UJ	381 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	460 U	460 U	NR	145 J	430 U	381 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2170-04 7/19/2000 0 - 1 ft.	SB-I8-2170-05 4/20/2000 0 - 1 ft.	SB-I8-2299-03 7/19/2000 0 - 1 ft.	SB-I8-2299-05 4/20/2000 0 - 1 ft.	SB-I8-2328-02 4/20/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	410 U	NR	388 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	820 U	821 U	800 UJ	776 U	750 UJ	770 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**913 J**	**320 J**	410 U	400 UJ	388 U	370 UJ	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	820 U	821 U	800 UJ	776 U	750 UJ	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	820 U	821 U	800 UJ	776 U	750 UJ	770 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	820 U	821 U	800 UJ	776 U	750 UJ	770 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	60 J	410 U	400 UJ	388 U	370 UJ	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	64 J	410 U	400 UJ	388 U	370 UJ	380 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	34 J	370 J	104 J	400 UJ	388 U	370 UJ	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	28 J	290 J	103 J	400 UJ	388 U	370 UJ	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	690	181 J	400 UJ	388 U	370 UJ	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	150 J	85.7 J	400 UJ	388 U	370 UJ	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	190 J	410 U	400 UJ	388 U	370 UJ	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 UJ	410 UJ	410 U	400 UJ	388 U	370 UJ	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	410 U	NR	400 UJ	NR	370 UJ	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25 J	84 J	410 U	400 UJ	25.6 J	24 J	380 U
CHRYSENE	UG/KG	500000	9000	40000	44 J	420	207 J	39 J	388 U	370 UJ	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	260 J	550	410 U	80 UJ	388 U	370 UJ	310 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2170-04 7/19/2000 0 - 1 ft.	SB-I8-2170-05 4/20/2000 0 - 1 ft.	SB-I8-2299-03 7/19/2000 0 - 1 ft.	SB-I8-2299-05 4/20/2000 0 - 1 ft.	SB-I8-2328-02 4/20/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	160 J	2200	417	1400 J	388 U	370 UJ	190 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	300 J	213 J	400 UJ	388 U	370 UJ	380 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	150 J	71 J	400 UJ	388 U	370 UJ	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 UJ	410 UJ	410 U	400 UJ	388 U	370 UJ	380 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1600	1000	30.8 J	120 J	69.8 J	82 J	970
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	820 U	821 U	800 UJ	776 U	750 UJ	770 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	82 J	139 J	31 J	388 U	370 UJ	380 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	410 U	410 U	400 UJ	388 U	370 UJ	380 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	350 J	277 J	400 UJ	388 U	370 UJ	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2328-07 4/20/2000 0 - 1.5 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-2328A-03 7/19/2000 0 - 1 ft.	SB-I8-2332-01 7/19/2000 0 - 1.25 ft.	SB-I8-2332-02 4/20/2000 0 - 1.5 ft.	SB-I8-2333-02 4/20/2000 0 - 1 ft.	SB-I8-2333-03 7/19/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	3660 UJ	407 U	NR	NR	388 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	780 UJ	7320 UJ	815 U	780 U	820 UJ	775 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	**55 J**	3660 UJ	407 U	390 U	410 UJ	388 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 U	780 UJ	7320 UJ	815 U	780 U	820 UJ	775 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	780 UJ	7320 UJ	815 U	780 U	820 UJ	775 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	780 UJ	7320 UJ	815 U	780 U	820 UJ	775 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
BENZIDINE	UG/KG	NA	NA	NA	380 UJ	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	390 UJ	3660 UJ	407 U	390 U	67 J	388 U
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	390 UJ	3660 UJ	407 U	390 U	72 J	388 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	390 UJ	3660 UJ	407 U	390 U	130 J	388 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 UJ	390 UJ	3660 UJ	407 U	390 UJ	410 UJ	388 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	390 UJ	NR	NR	390 U	410 UJ	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	20 J	190 J	626 J	22.4 J	21 J	410 UJ	388 U
CHRYSENE	UG/KG	500000	9000	40000	380 U	390 UJ	3660 UJ	407 U	390 U	69 J	388 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 U	9500 J	4450 J	407 U	390 U	63 UJ	64 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2328-07 4/20/2000 0 - 1.5 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-2328A-03 7/19/2000 0 - 1 ft.	SB-I8-2332-01 7/19/2000 0 - 1.25 ft.	SB-I8-2332-02 4/20/2000 0 - 1.5 ft.	SB-I8-2333-02 4/20/2000 0 - 1 ft.	SB-I8-2333-03 7/19/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	87 J	9000 J	3780 J	407 U	390 U	85 J	388 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 UJ	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 UJ	390 UJ	3660 UJ	407 U	390 UJ	410 UJ	388 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 J	1400 J	2200 J	407 U	390 U	240 J	1070
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	780 UJ	7320 UJ	815 U	780 U	820 UJ	775 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
PHENOL	UG/KG	50000	10000000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	410 UJ	388 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	390 UJ	3660 UJ	407 U	390 U	100 J	388 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2405-01 4/20/2000 0 - 1 ft.	SB-I8-2405-05 4/20/2000 0 - 0.5 ft.	SB-I8-2405-06 4/20/2000 0 - 2 ft.	SB-I8-2405A-01 7/19/2000 0 - 1.5 ft.	SB-I8-2405A-02 4/28/2000 0 - 1 ft.	SB-I8-2409-01 4/20/2000 0 - 1 ft.	SB-I8-2409-04 7/19/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	377 U	NR	NR	373 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 UJ	760 UJ	780 UJ	754 U	780 U	780 UJ	747 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 UJ	760 UJ	780 UJ	754 U	780 U	780 UJ	747 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 UJ	760 UJ	780 UJ	754 U	780 U	780 UJ	747 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 UJ	760 UJ	780 UJ	754 U	780 U	780 UJ	747 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 UJ	30 J	390 UJ	377 U	390 U	390 UJ	373 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 UJ	35 J	390 UJ	377 U	390 U	390 UJ	373 U
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	120 J	280 J	100 J	377 U	390 U	48 J	373 U
BENZO(a)PYRENE	UG/KG	100000	660	660	110 J	330 J	110 J	377 U	390 U	53 J	373 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	200 J	790 J	200 J	377 U	390 U	100 J	373 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 UJ	150 J	390 UJ	377 U	390 U	390 UJ	373 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 UJ	240 J	390 UJ	377 U	390 U	390 UJ	373 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 UJ	380 UJ	390 UJ	NR	390 U	390 UJ	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 UJ	110 UJ	42 J	30.9 J	34 J	38 J	373 U
CHRYSENE	UG/KG	500000	9000	40000	81 J	330 J	96 J	377 U	390 U	47 J	373 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	48 UJ	250 UJ	44 UJ	55.8 J	77 J	82 UJ	373 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2405-01 4/20/2000 0 - 1 ft.	SB-I8-2405-05 4/20/2000 0 - 0.5 ft.	SB-I8-2405-06 4/20/2000 0 - 2 ft.	SB-I8-2405A-01 7/19/2000 0 - 1.5 ft.	SB-I8-2405A-02 4/28/2000 0 - 1 ft.	SB-I8-2409-01 4/20/2000 0 - 1 ft.	SB-I8-2409-04 7/19/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 J	94 J	160 J	377 U	110 J	84 J	373 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	290 J	85 J	377 U	390 U	390 UJ	373 U
FLUORENE	UG/KG	100000	2300000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 UJ	160 J	390 UJ	377 U	390 U	390 UJ	373 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 J	350 J	160 J	385	130 J	230 J	373 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 UJ	380 UJ	390 UJ	377 U	390 U	390 UJ	373 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 UJ	760 UJ	780 UJ	754 U	780 U	780 UJ	747 U
PHENANTHRENE	UG/KG	NA	NA	NA	25 J	41 J	24 J	377 U	390 U	390 UJ	373 U
PHENOL	UG/KG	50000	10000000	10000000	400 UJ	380 UJ	390 UJ	377 U	390 UJ	390 UJ	373 U
PYRENE	UG/KG	100000	1700000	10000000	150 J	420 J	170 J	377 U	390 U	100 J	373 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-525-03 4/20/2000 0 - 0.5 ft.	SB-I8-525-04 7/19/2000 0 - 1 ft.	SB-I8-560-01 7/19/2000 0 - 1 ft.	SB-I8-560-03 4/27/2000 0 - 1.5 ft.	SB-I8-8236-01 4/25/2000 0 - 1.25 ft.	SB-I8-8236-05 4/25/2000 0 - 2 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	372 U	414 U	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7700 UJ	745 U	829 UJ	900 U	810 U	780 U	900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 UJ	372 U	414 U	450 U	**85 J**	390 U	**43 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7700 UJ	745 U	829 U	900 U	810 UJ	780 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7700 UJ	745 U	829 U	900 U	810 U	780 U	900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7700 UJ	745 U	829 U	900 U	810 U	780 U	900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
BENZIDINE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	290 J	153 J	359 J	450 U	41 J	390 U	110 J
BENZO(a)PYRENE	UG/KG	100000	660	660	360 J	185 J	258 J	450 U	43 J	390 U	96 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	690 J	350 J	389 J	450 U	410 U	390 U	200 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 UJ	105 J	189 J	450 U	410 U	390 U	450 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 UJ	131 J	414 U	450 U	410 U	390 U	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3800 UJ	NR	NR	450 U	410 U	390 U	450 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 UJ	54.4 J	21.6 J	450 U	120 J	390 U	120 J
CHRYSENE	UG/KG	500000	9000	40000	420 J	172 J	703	450 U	61 J	390 U	130 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	3800 UJ	372 U	121 J	450 U	680	390 U	16000 *D
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-525-03 4/20/2000 0 - 0.5 ft.	SB-I8-525-04 7/19/2000 0 - 1 ft.	SB-I8-560-01 7/19/2000 0 - 1 ft.	SB-I8-560-03 4/27/2000 0 - 1.5 ft.	SB-I8-8236-01 4/25/2000 0 - 1.25 ft.	SB-I8-8236-05 4/25/2000 0 - 2 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 UJ	372 U	170 J	450 U	410 U	390 U	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 UJ	1060	208 J	450 U	140 J	390 U	6300 *D
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 UJ	184 J	174 J	450 U	410 U	390 U	220 J
FLUORENE	UG/KG	100000	2300000	10000000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 UJ	372 U	414 UJ	450 U	410 U	390 U	450 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 UJ	109 J	121 J	450 U	410 U	390 U	450 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1700 J	65.5 J	414 U	450 U	880	390 U	5000
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 UJ	372 U	414 U	450 U	410 U	390 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7700 UJ	745 U	829 U	900 U	810 U	780 U	900 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 UJ	372 U	121 J	450 U	50 J	390 U	92 J
PHENOL	UG/KG	50000	10000000	10000000	3800 UJ	372 U	414 U	450 U	410 UJ	390 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	3800 UJ	242 J	214 J	450 U	410 U	390 U	210 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-9334-02 7/19/2000 0 - 1 ft.	SB-I8-F2-01 5/4/2000 0 - 1 ft.	SB-I9-2-01 4/20/2000 0 - 1 ft.	SB-I9-2-02 7/19/2000 0 - 1.5 ft.	SB-I9-2329-04 4/25/2000 0 - 1 ft.	SB-I9-2329-05 4/25/2000 0 - 1 ft.	SB-I9-2329-06 4/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	3610 U	NR	NR	421 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7220 U	730 U	820 UJ	843 U	760 U	770 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3610 U	370 U	**718 J**	421 U	380 U	380 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7220 U	730 U	820 UJ	843 U	760 UJ	770 UJ	780 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7220 U	730 U	820 UJ	843 U	760 U	770 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7220 U	730 U	820 UJ	843 U	760 U	770 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3610 U	53 J	32 J	421 U	380 U	380 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3610 U	47 J	39 J	421 U	380 U	380 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	3610 U	370 UJ	410 UJ	421 U	380 UJ	380 UJ	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3610 U	480	120 J	72.9 J	380 U	43 J	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	3610 U	490	130 J	62 J	380 U	29 J	34 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3610 U	850	340 J	116 J	380 U	79 J	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3610 U	270 J	130 J	421 U	380 U	380 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3610 U	190 J	410 UJ	421 U	380 U	380 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	370 U	410 UJ	NR	380 U	380 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	184 J	49 J	52 J	34.6 J	380 U	25 J	30 J
CHRYSENE	UG/KG	500000	9000	40000	3610 U	480	230 J	90.6 J	380 U	60 J	41 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	902 J	140 J	11000 UJ	55.6 J	380 U	380 U	37 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-9334-02 7/19/2000 0 - 1 ft.	SB-I8-F2-01 5/4/2000 0 - 1 ft.	SB-I9-2-01 4/20/2000 0 - 1 ft.	SB-I9-2-02 7/19/2000 0 - 1.5 ft.	SB-I9-2329-04 4/25/2000 0 - 1 ft.	SB-I9-2329-05 4/25/2000 0 - 1 ft.	SB-I9-2329-06 4/25/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3610 U	77 J	410 UJ	421 U	380 U	380 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3610 U	110 J	240 J	421 U	380 U	380 U	55 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3610 U	800	280 J	421 U	380 U	380 U	390 U
FLUORENE	UG/KG	100000	2300000	10000000	3610 U	32 J	410 UJ	421 U	380 U	380 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3610 U	250 J	100 J	421 U	380 U	380 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1840 J	300 J	600 J	421 U	380 U	380 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	3610 U	370 U	410 UJ	421 U	380 U	380 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7220 U	730 U	820 UJ	843 U	760 U	770 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	3610 U	380	190 J	57.7 J	380 U	23 J	58 J
PHENOL	UG/KG	50000	10000000	10000000	3610 U	370 U	410 UJ	421 U	380 UJ	380 UJ	390 UJ
PYRENE	UG/KG	100000	1700000	10000000	3610 U	1300	230 J	113 J	380 U	380 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-2329A-01 4/20/2000 0 - 1 ft.	SB-I9-2329A-04 7/19/2000 0 - 2 ft.	SB-I9-3-01 4/25/2000 0 - 1 ft.	SB-I9-3-03 4/25/2000 0 - 1 ft.	SB-I9-3-05 4/25/2000 0 - 1 ft.	SB-I9-3-07 4/25/2000 0 - 1 ft.	SB-I9-3-09 4/25/2000 0 - 1 ft.	SB-I9-3-11 4/25/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	366 U	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	740 UJ	733 U	810 U	800 U	760 U	880 U	760 U	840 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	740 UJ	733 U	810 UJ	800 UJ	760 UJ	880 UJ	760 UJ	840 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	740 UJ	733 U	810 U	800 U	760 U	880 U	760 U	840 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	740 UJ	733 U	810 U	800 U	760 U	880 U	760 U	840 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
BENZIDINE	UG/KG	NA	NA	NA	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	370 UJ	366 U	120 J	96 J	380 U	440 U	380 U	81 J
BENZO(a)PYRENE	UG/KG	100000	660	660	370 UJ	366 U	100 J	52 J	380 U	440 U	380 U	58 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	370 UJ	366 U	170 J	79 J	380 U	440 U	380 U	130 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 UJ	NR	410 U	400 U	380 U	440 U	380 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	31 J	80.2 J	34 J	52 J	19 J	59 J	33 J	420 U
CHRYSENE	UG/KG	500000	9000	40000	370 UJ	53.1 J	140 J	84 J	380 U	440 U	380 U	63 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	370 UJ	238 J	56 J	36 J	44 J	41 J	43 J	420 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-2329A-01 4/20/2000 0 - 1 ft.	SB-I9-2329A-04 7/19/2000 0 - 2 ft.	SB-I9-3-01 4/25/2000 0 - 1 ft.	SB-I9-3-03 4/25/2000 0 - 1 ft.	SB-I9-3-05 4/25/2000 0 - 1 ft.	SB-I9-3-07 4/25/2000 0 - 1 ft.	SB-I9-3-09 4/25/2000 0 - 1 ft.	SB-I9-3-11 4/25/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 UJ	366 U	72 J	400 U	380 U	440 U	380 U	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 UJ	366 U	180 J	96 J	380 U	440 U	380 U	420 U
FLUORENE	UG/KG	100000	2300000	10000000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	240 J	475	410 U	400 U	380 U	440 U	380 U	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 UJ	366 U	410 U	400 U	380 U	440 U	380 U	420 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	740 UJ	733 U	94 J	800 U	760 U	880 U	760 U	840 U
PHENANTHRENE	UG/KG	NA	NA	NA	370 UJ	366 U	69 J	400 U	380 U	440 U	380 U	420 U
PHENOL	UG/KG	50000	10000000	10000000	370 UJ	366 U	410 UJ	400 UJ	380 UJ	440 UJ	380 UJ	420 UJ
PYRENE	UG/KG	100000	1700000	10000000	370 UJ	366 U	160 J	400 U	380 U	440 U	380 U	420 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-3-13 4/25/2000 0 - 1.5 ft.	SB-I9-515-01 4/28/2000 0 - 2 ft.	SB-I9-516-02 7/19/2000 0 - 1 ft.	SB-I9-516-04 4/28/2000 0 - 1 ft.	SB-I9-519-03 7/19/2000 0 - 0.5 ft.	SB-I9-519-04 4/28/2000 0 - 0.5 ft.	SB-I9-520-03 4/28/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 UJ	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	388 U	NR	392 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	680 U	790 U	775 U	950 U	784 U	890 U	810 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	680 UJ	790 U	775 U	950 U	784 UJ	890 U	810 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	680 U	790 U	775 U	950 U	784 U	890 U	810 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	680 U	790 U	775 U	950 U	784 U	890 U	810 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	340 UJ	400 UJ	388 U	480 UJ	392 U	440 UJ	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	340 U	50 J	388 U	76 J	392 U	440 U	52 J
BENZO(a)PYRENE	UG/KG	100000	660	660	340 U	57 J	388 U	84 J	392 U	440 U	61 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	340 U	110 J	388 U	110 J	392 U	440 U	120 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 UJ	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	340 U	400 U	388 U	480 U	392 U	440 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	340 UJ	400 U	388 U	480 U	392 U	440 U	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	340 U	400 U	NR	480 U	NR	440 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	41 J	38 J	33.7 J	49 J	21.2 J	30 J	49 J
CHRYSENE	UG/KG	500000	9000	40000	340 U	87 J	388 U	91 J	392 U	40 J	71 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	340 U	84 J	54.3 J	300 J	392 U	220 J	100 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-3-13 4/25/2000 0 - 1.5 ft.	SB-I9-515-01 4/28/2000 0 - 2 ft.	SB-I9-516-02 7/19/2000 0 - 1 ft.	SB-I9-516-04 4/28/2000 0 - 1 ft.	SB-I9-519-03 7/19/2000 0 - 0.5 ft.	SB-I9-519-04 4/28/2000 0 - 0.5 ft.	SB-I9-520-03 4/28/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	340 U	400 U	388 U	480 U	392 U	440 UJ	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2100	400 U	388 U	480 U	392 U	440 U	410 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	340 U	400 U	388 U	150 J	392 U	440 U	150 J
FLUORENE	UG/KG	100000	2300000	10000000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	340 UJ	400 U	388 U	480 U	392 U	440 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	340 U	400 U	388 U	480 U	392 UJ	440 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	340 U	400 U	388 U	480 U	392 U	440 UJ	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	340 UJ	400 U	388 U	480 U	392 U	440 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	340 UJ	400 U	388 U	480 U	392 U	440 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	340 UJ	400 U	388 U	480 U	392 U	440 UJ	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	520	400 U	388 U	480 U	38 J	440 U	410 U
NAPHTHALENE	UG/KG	100000	230000	4200000	340 U	400 U	388 U	480 U	392 U	440 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	680 U	790 U	775 U	950 U	784 U	890 U	810 U
PHENANTHRENE	UG/KG	NA	NA	NA	340 U	42 J	388 U	140 J	392 U	440 U	110 J
PHENOL	UG/KG	50000	10000000	10000000	340 UJ	400 U	388 U	480 U	392 U	440 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	340 U	400 U	388 U	200 J	392 U	440 U	110 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-520-05 7/19/2000 0 - 1.5 ft.	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.	SB-J10-587B-02 4/28/2000 0 - 2 ft.	SB-J6-2340-02 4/27/2000 0 - 1.5 ft.	SB-J6-2340-04 4/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	NR	372 U	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	810 U	743 U	710 U	840 U	810 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**160 J**	**146 J**	**250 J**	420 U	410 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 UJ	810 U	743 UJ	710 U	840 U	810 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	810 U	743 U	710 U	840 U	810 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	810 U	743 U	710 U	840 U	810 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	410 U	372 U	350 U	420 U	30 J	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	410 U	372 U	16 J	380 J	43 J	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	410 U	372 U	350 U	290 J	350 J	43 J
BENZIDINE	UG/KG	NA	NA	NA	400 U	410 UJ	372 U	350 UJ	420 U	410 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	64.4 J	43 J	372 U	79 J	**3200**	**1300**	240 J
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	49 J	372 U	68 J	**2300**	**880**	210 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	118 J	98 J	372 U	210 J	**4600**	**1100**	360 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	970	370 J	120 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	410 U	372 U	350 U	**1100**	520	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 U	420 U	410 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	410 U	372 U	350 UJ	420 U	410 U	390 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	410 U	NR	350 U	420 U	410 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	420	59.1 J	21 J	33 J	410 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	97 J	66 J	372 U	140 J	2800	890	230 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	400 J	372 U	200 J	95 J	76 J	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-520-05 7/19/2000 0 - 1.5 ft.	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.	SB-J10-587B-02 4/28/2000 0 - 2 ft.	SB-J6-2340-02 4/27/2000 0 - 1.5 ft.	SB-J6-2340-04 4/27/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	410 U	372 U	350 U	400 J	410 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	410	143 J	51 J	39 J	190 J	39 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	149 J	410 U	372 U	110 J	5600	3100	430
FLUORENE	UG/KG	100000	2300000	10000000	400 U	410 U	372 U	350 U	32 J	110 J	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	410 U	372 U	350 UJ	420 U	410 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	410 U	372 UJ	350 U	420 U	410 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	410 U	372 U	350 U	**1100**	400 J	110 J
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	410 U	372 U	350 UJ	420 U	410 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	410 U	372 U	350 UJ	420 U	410 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	410 U	372 U	350 UJ	420 U	410 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	25.2 J	370 J	172 J	110 J	130 J	250 J	81 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	410 U	372 U	350 U	420 U	410 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	810 U	743 U	710 U	840 U	810 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	65.6 J	410 U	372 U	31 J	250 J	1800	150 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	410 U	372 U	350 UJ	420 U	410 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	410 U	372 U	130 J	4700	1800	310 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2-03 4/27/2000 0 - 1.5 ft.	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2246-01 4/27/2000 0 - 2 ft.	SB-J7-2246-02 7/20/2000 0 - 1.5 ft.	SB-J7-2281-02 4/27/2000 0 - 1 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	374 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	810 U	810 U	780 U	747 U	750 U	770 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**34890 J**	**3600 J**	**6730 J**	**56 J**	374 U	370 U	**220 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	810 U	810 U	780 U	747 U	750 U	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	810 U	810 U	780 U	747 UJ	750 U	770 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	810 U	810 U	780 U	747 U	750 U	770 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	320 J	24 J	53 J	390 U	374 U	370 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	170 J	42 J	65 J	390 U	374 U	370 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	580	190 J	290 J	390 U	374 U	370 U	380 U
BENZO(a)PYRENE	UG/KG	100000	660	660	600	140 J	220 J	390 U	374 U	370 U	380 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1400**	290 J	500	390 U	374 U	370 U	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	610	410 U	160 J	390 U	374 U	370 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	500	89 J	180 J	390 U	374 U	370 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 UJ	410 UJ	410 UJ	390 U	374 U	370 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	410 U	410 U	390 U	NR	370 U	380 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	100 J	55 J	390 U	374 U	370 U	380 U
CHRYSENE	UG/KG	500000	9000	40000	960	210 J	340 J	390 U	374 U	370 U	380 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	380 J	1900	1400	58 J	173 J	370 U	180 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2-03 4/27/2000 0 - 1.5 ft.	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2246-01 4/27/2000 0 - 2 ft.	SB-J7-2246-02 7/20/2000 0 - 1.5 ft.	SB-J7-2281-02 4/27/2000 0 - 1 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	210 J	410 U	410 U	390 U	374 U	370 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1600	2600	1800	390 U	374 U	370 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1000	280 J	540	390 U	374 U	370 U	380 U
FLUORENE	UG/KG	100000	2300000	10000000	50 J	410 U	410 U	390 U	374 U	370 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	590	89 J	120 J	390 U	374 U	370 U	380 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	410 U	410 U	390 U	374 U	370 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	410 U	410 U	390 U	374 U	370 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	890	3400	3300	390 U	374 U	370 U	760
NAPHTHALENE	UG/KG	100000	230000	4200000	31 J	410 U	30 J	390 U	374 U	370 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	810 U	810 U	780 U	747 U	750 U	770 U
PHENANTHRENE	UG/KG	NA	NA	NA	440	90 J	210 J	390 U	374 U	370 U	380 U
PHENOL	UG/KG	50000	10000000	10000000	390 U	410 U	410 U	390 U	374 U	370 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	770	200 J	400 J	390 U	374 U	370 U	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2281B-01 4/27/2000 0 - 2 ft.	SB-J7-2281B-03 4/27/2000 0 - 2 ft.	SB-J7-2281B-05 4/27/2000 0 - 2 ft.	SB-J7-2282-03 4/27/2000 0 - 2 ft.	SB-J7-2282-06 4/27/2000 0 - 1 ft.	SB-J7-2324-06 4/27/2000 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	390 U	370 U	370 U	420 U	410 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	390 U	370 U	370 U	420 U	410 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	390 U	370 U	370 U	420 U	410 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	760 U	780 U	750 U	740 U	840 U	820 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	390 U	370 U	370 U	420 U	**873 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	390 U	370 U	370 U	420 U	410 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	760 U	780 U	750 U	740 U	840 U	820 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	760 U	780 U	750 U	740 U	840 U	820 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
4-NITROPHENOL	UG/KG	NA	NA	NA	760 U	780 U	750 U	740 U	840 U	820 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	380 U	390 U	370 U	370 U	34 J	84 J
BENZO(a)PYRENE	UG/KG	100000	660	660	380 U	390 U	370 U	370 U	39 J	93 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	380 U	390 U	370 U	370 U	420 U	140 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 U	390 U	370 U	370 U	420 U	410 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	390 UJ	370 U	370 UJ	420 UJ	410 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	27 J	81 J	370 U	370 U	55 J	410 U
CHRYSENE	UG/KG	500000	9000	40000	380 U	390 U	370 U	370 U	44 J	89 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	43 J	8900 *D	36 J	370 U	220 J	96 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2281B-01 4/27/2000 0 - 2 ft.	SB-J7-2281B-03 4/27/2000 0 - 2 ft.	SB-J7-2281B-05 4/27/2000 0 - 2 ft.	SB-J7-2282-03 4/27/2000 0 - 2 ft.	SB-J7-2282-06 4/27/2000 0 - 1 ft.	SB-J7-2324-06 4/27/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	390 U	370 U	370 U	420 U	410 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	37 J	140 J	370 U	370 U	83 J	82 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	380 U	390 U	370 U	370 U	420 U	160 J
FLUORENE	UG/KG	100000	2300000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	390 U	370 U	370 U	420 U	410 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	390 U	370 U	370 U	420 U	410 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	390 U	370 U	370 U	420 U	410 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	390 U	370 U	370 U	420 U	410 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	380 U	390 U	370 U	370 U	420 U	410 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	390 U	370 U	370 U	420 U	410 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	420 U	410 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	800	370 U	370 U	90 J	190 J
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	390 U	370 U	370 U	420 U	410 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	760 U	780 U	750 U	740 U	840 U	820 U
PHENANTHRENE	UG/KG	NA	NA	NA	380 U	390 U	370 U	370 U	31 J	53 J
PHENOL	UG/KG	50000	10000000	10000000	380 U	390 U	370 U	370 U	420 U	410 U
PYRENE	UG/KG	100000	1700000	10000000	380 U	390 U	370 U	370 U	420 U	140 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-8240-01 7/20/2000 0 - 1 ft.	SB-J7-8240-02 4/25/2000 0 - 1.5 ft.	SB-J7-8281-01 7/20/2000 0 - 0.5 ft.	SB-J7-8281-02 4/27/2000 0 - 1 ft.	SB-J7-F1-01 4/20/2000 0 - 1.5 ft.	SB-J7-F1-02 7/20/2000 0 - 2 ft.	SB-J8-2339-02 4/20/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	393 U	NR	448 U	NR	NR	390 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	787 U	800 U	895 U	930 U	780 U	779 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	393 U	400 U	**264 J**	460 U	390 U	390 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	787 U	800 UJ	895 U	930 U	780 U	779 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	787 UJ	800 U	895 UJ	930 U	780 U	779 UJ	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	787 U	800 U	895 U	930 U	780 U	779 U	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
BENZIDINE	UG/KG	NA	NA	NA	393 U	400 UJ	448 U	460 U	390 U	390 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	393 U	400 U	66.7 J	460 U	390 U	390 U	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	393 U	400 U	69 J	460 U	390 U	390 U	24 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	393 U	400 U	159 J	460 U	390 U	390 U	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	393 U	400 UJ	448 U	460 U	390 UJ	390 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	400 U	NR	460 U	390 U	NR	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	34.6 J	400 U	39.4 J	460 U	390 U	45.6 J	36 J
CHRYSENE	UG/KG	500000	9000	40000	393 U	400 U	90 J	460 U	390 U	390 U	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	71.6 J	400 U	831	210 J	38 J	390 U	120 JB
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-8240-01 7/20/2000 0 - 1 ft.	SB-J7-8240-02 4/25/2000 0 - 1.5 ft.	SB-J7-8281-01 7/20/2000 0 - 0.5 ft.	SB-J7-8281-02 4/27/2000 0 - 1 ft.	SB-J7-F1-01 4/20/2000 0 - 1.5 ft.	SB-J7-F1-02 7/20/2000 0 - 2 ft.	SB-J8-2339-02 4/20/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	393 U	400 U	448 U	460 U	390 U	390 U	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	393 U	400 U	448 U	61 J	390 U	390 U	88 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	393 U	400 U	131 J	460 U	390 U	390 U	370 U
FLUORENE	UG/KG	100000	2300000	10000000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	393 U	400 UJ	448 U	460 U	390 U	390 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	393 U	400 UJ	448 U	460 U	390 U	390 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	393 U	400 UJ	448 U	460 U	390 U	390 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	393 U	400 UJ	448 U	460 U	390 UJ	390 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 J	400 U	357 J	460 U	390 U	390 U	260 J
NAPHTHALENE	UG/KG	100000	230000	4200000	393 U	400 U	448 U	460 U	390 U	390 U	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	787 U	800 U	895 U	930 U	780 U	779 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	393 U	400 U	448 U	460 U	390 U	390 U	370 U
PHENOL	UG/KG	50000	10000000	10000000	393 U	400 UJ	448 U	460 U	390 U	390 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	393 U	400 U	146 J	460 U	390 U	390 U	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J8-2354-02 4/20/2000 0 - 1.5 ft.	SB-J8-2354-05 4/20/2000 0 - 1 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-2142-05 4/25/2000 0 - 1.5 ft.	SB-J9-3-03 4/28/2000 0 - 0.75 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	7600 UJ	700 UJ	780 U	720 U	770 U	1000 U	980 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	3800 UJ	350 UJ	**547 J**	**317 J**	380 U	**170 J**	**490 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
2-NITROPHENOL	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	7600 UJ	700 UJ	780 UJ	720 UJ	770 UJ	1000 U	980 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	7600 UJ	700 UJ	780 U	720 U	770 U	1000 U	980 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 UJ	360 U	380 U	520 U	490 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
4-NITROPHENOL	UG/KG	NA	NA	NA	7600 UJ	700 UJ	780 U	720 U	770 U	1000 U	980 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	28 J	360 U	380 U	36 J	490 U
ANTHRACENE	UG/KG	100000	10000000	10000000	3800 UJ	21 J	32 J	360 U	380 U	41 J	490 U
BENZIDINE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	3800 UJ	130 J	210 J	82 J	54 J	240 J	100 J
BENZO(a)PYRENE	UG/KG	100000	660	660	3800 UJ	120 J	190 J	100 J	140 J	270 J	90 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	3800 UJ	220 J	260 J	190 J	220 J	610	190 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	120 J	52 J	190 J	280 J	490 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	3800 UJ	88 J	120 J	360 U	380 U	130 J	490 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	350 UJ	390 UJ	360 U	380 U	520 U	490 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	340 UJ	78 UJ	130 J	36 J	35 J	100 J	31 J
CHRYSENE	UG/KG	500000	9000	40000	3800 UJ	120 J	190 J	120 J	140 J	400 J	110 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	500 UJ	100 UJ	420 J	58 J	380 U	270 J	450 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J8-2354-02 4/20/2000 0 - 1.5 ft.	SB-J8-2354-05 4/20/2000 0 - 1 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-2142-05 4/25/2000 0 - 1.5 ft.	SB-J9-3-03 4/28/2000 0 - 0.75 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	3800 UJ	350 UJ	390 UJ	360 U	110 J	520 U	490 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2800 J	200 J	250 J	120 J	47 J	520 U	21000 *D
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	3800 UJ	200 J	220 J	93 J	380 U	610	170 J
FLUORENE	UG/KG	100000	2300000	10000000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	3800 UJ	350 UJ	390 UJ	360 U	380 U	520 U	490 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	3800 UJ	350 UJ	120 J	360 U	120 J	220 J	490 U
ISOPHORONE	UG/KG	50000	1100000	10000000	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	5100 J	500 J	2400 J	380	91 J	520 U	250 J
NAPHTHALENE	UG/KG	100000	230000	4200000	3800 UJ	350 UJ	390 U	360 U	380 U	520 U	490 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	7600 UJ	700 UJ	780 UJ	720 U	770 U	1000 U	980 U
PHENANTHRENE	UG/KG	NA	NA	NA	3800 UJ	91 J	75 J	57 J	380 U	340 J	110 J
PHENOL	UG/KG	50000	10000000	10000000	3800 UJ	350 UJ	390 UJ	360 UJ	380 UJ	520 UJ	490 UJ
PYRENE	UG/KG	100000	1700000	10000000	3800 UJ	210 J	370 J	120 J	380 U	640 J	160 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-I8-8236-06 8/8/2000 8 - 10 ft.	TP-I9-2329-07 8/9/2000 6.5 - 8.5 ft.
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	372 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	372 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	372 U	390 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	372 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	372 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	390 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	372 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	372 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	372 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	743 U	781 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	372 UJ	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	372 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	372 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	743 U	781 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	743 U	781 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	372 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	372 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	372 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	781 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	372 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	372 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	372 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	372 UJ	390 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	372 U	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	372 U	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	372 U	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	372 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	372 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	372 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	372 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	372 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	372 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	372 U	390 U
CHRYSENE	UG/KG	500000	9000	40000	372 U	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	372 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	372 U	390 U

Table 5-10B

Analytical Results
Finishing Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	TP-I8-8236-06 8/8/2000 8 - 10 ft.	TP-I9-2329-07 8/9/2000 6.5 - 8.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	372 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	372 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	372 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	372 U	390 U
FLUORENE	UG/KG	100000	2300000	10000000	372 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	372 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	372 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	372 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	372 U	390 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	372 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	372 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	372 U	390 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	372 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	372 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	743 U	781 U
PHENANTHRENE	UG/KG	NA	NA	NA	372 U	390 U
PHENOL	UG/KG	50000	10000000	10000000	372 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	372 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-2172A-03 7/13/2000 0 - 1.25 ft.	SB-H7-2172A-05 7/13/2000 0 - 1 ft.	SB-H7-642B-03 4/18/2000 0 - 2 ft.	SB-H8-2171-01 4/18/2000 0 - 1 ft.	SB-H8-2171-03 4/18/2000 0 - 2 ft.	SB-H8-2171-05 4/18/2000 0 - 1.25 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	250 U	220 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	250 U	220 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	250 U	220 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	250 U	220 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	250 U	220 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	381 U	400 U	500 U	500 U	430 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	500 U	430 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	250 U	230 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	763 U	800 U	500 U	500 U	430 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	500 U	430 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	381 U	400 U	250 U	250 U	230 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	22.7 U	40.5 U	43.6 U	42.5 U
NITROGLYCERIN	UG/KG	NA	46000	200000	381 U	400 U	6300 U	6500 U	6700 U	6400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	500 U	430 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	430 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2291-02 4/18/2000 0 - 1.25 ft.	SB-H8-2291-04 7/20/2000 0 - 1.5 ft.	SB-H8-558-03 4/20/2000 0 - 1.25 ft.	SB-H8-558-04 7/20/2000 0 - 1 ft.	SB-H8-564-02 4/20/2000 0 - 1 ft.	SB-I10-1-03 4/27/2000 0 - 1 ft.	SB-I10-2-02 4/27/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	230 U	250 U	250 U	238 U	250 U	NR	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	230 U	250 U	250 U	238 U	250 U	NR	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 U	250 U	250 U	238 U	250 U	NR	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	230 U	250 U	250 U	238 U	250 U	NR	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 U	250 U	250 U	238 U	250 U	NR	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	500 U	476 U	500 U	NR	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	450 U	500 U	500 U	476 U	500 U	NR	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	230 U	250 U	250 U	238 U	250 U	NR	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	450 U	500 U	500 U	476 U	500 U	NR	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	450 U	500 U	500 U	476 U	500 U	NR	480 U
NITROBENZENE	UG/KG	10000	39000	510000	230 U	250 U	250 U	238 U	250 U	410 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	45.6 U	92.1 J	38.5 U	42.2 UJ	45.1 U	NR	42.5 U
NITROGLYCERIN	UG/KG	NA	46000	200000	6800 U	5780 U	8400	3690 J	6700 U	NR	6300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	450 U	500 U	500 U	476 U	500 U	NR	480 U
TETRYL	UG/KG	NA	780000	10000000	450 U	500 U	500 U	476 U	500 U	NR	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2079-02 4/27/2000 0 - 1 ft.	SB-I10-2079-05 7/20/2000 0 - 1.25 ft.	SB-I10-2080-01 4/27/2000 0 - 1 ft.	SB-I10-2080-02 7/20/2000 0 - 1 ft.	SB-I10-2121-02 4/28/2000 0 - 1.5 ft.	SB-I10-2122-03 4/28/2000 0 - 1.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	217 U	NR	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	217 U	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	**1010**	NR	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	217 U	NR	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	176 R	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	435 U	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	435 U	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	247 R	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	435 U	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	547	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	217 U	370 U	386 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	133	1330 J	NR	NR	38.7 U	42.2 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	22000	NR	NR	5400 U	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	435 U	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	435 U	NR	NR	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2155-02 4/28/2000 0 - 1 ft.	SB-I10-2155-03 7/20/2000 0 - 1 ft.	SB-I10-2156-03 4/27/2000 0 - 2 ft.	SB-I10-3-02 4/27/2000 0 - 1 ft.	SB-I10-550-02 4/27/2000 0 - 1 ft.	SB-I10-552-04 4/27/2000 0 - 0.5 ft.	SB-I10-E50-01 7/20/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	208 U	250 U	NR	250 U	250 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	208 U	250 U	NR	250 U	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	208 U	250 U	NR	250 U	250 U	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	208 U	250 U	NR	250 U	250 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	208 U	250 U	NR	250 U	250 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	500 U	NR	500 U	500 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	417 U	500 U	NR	500 U	500 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	208 U	250 U	NR	250 U	250 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	500 U	NR	500 U	500 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	417 U	500 U	NR	500 U	500 U	476 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	208 U	250 U	380 U	250 U	250 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38 U	36.9 UJ	41.7 U	NR	157	44.6 U	222 J
NITROGLYCERIN	UG/KG	NA	46000	200000	1800 J	4060 J	6200 U	NR	3800 J	16000	15700
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	417 U	500 U	NR	500 U	500 U	476 U
TETRYL	UG/KG	NA	780000	10000000	500 U	417 U	500 U	NR	500 U	500 U	476 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-E50-05 4/28/2000 0 - 1.25 ft.	SB-I7-15-04 7/19/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2124-05 4/20/2000 0 - 2 ft.	SB-I7-2124-06 4/20/2000 0 - 2 ft.	SB-I7-2124A-03 4/25/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	208 U	250 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	208 U	250 U	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	208 U	250 R	**1100 J**	250 U	520 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	419 R	**260 J**	250 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	208 U	250 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	500 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	417 U	500 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	208 U	250 U	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	500 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	417 U	500 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	208 U	250 U	250 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	104	114	220	79.3	36.3 U	37.7 U	40.4 U
NITROGLYCERIN	UG/KG	NA	46000	200000	9500	29200	21000	10000	5800 U	7300	5600 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	417 U	500 U	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	417 U	500 U	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-2124A-05 4/25/2000 0 - 1.5 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-3-03 4/20/2000 0 - 1.5 ft.	SB-I7-4-01 4/20/2000 0 - 1 ft.	SB-I7-566-02 4/20/2000 0 - 1.5 ft.	SB-I7-566A-01 7/13/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	250 U	250 U	208 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	250 U	250 U	208 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	1200 R	250 U	250 U	250 U	390 R	208 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**18000 J**	**42000 J**	250 U	250 U	**150 J**	208 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	250 U	250 U	208 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	417 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	417 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	250 U	250 U	208 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	417 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	740 J	500 U	500 U	500 U	417 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	250 U	250 U	208 U
NITROCELLULOSE	MG/KG	NA	NA	NA	39.7 U	1970	1680	306	62.8	714	79.1
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	6300 U	28000	6900 U	7000 U	42000	6140 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	417 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	500 U	500 U	417 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-567-01 4/27/2000 0 - 1.5 ft.	SB-I7-567-02 7/19/2000 0 - 2 ft.	SB-I7-8181-01 4/28/2000 0 - 2 ft.	SB-I7-8181-04 7/21/2000 0 - 1.5 ft.	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2170-04 7/19/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	208 U	NR	NR	250 U	230 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	208 U	NR	NR	250 U	230 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	1570 R	NR	NR	**600**	1900 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	208 U	NR	NR	250 U	**330 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	208 U	NR	NR	250 U	230 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	NR	NR	500 U	450 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	417 U	NR	NR	500 U	450 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	208 U	NR	NR	250 U	230 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	417 U	NR	NR	500 U	450 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	417 U	NR	NR	500 U	450 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	208 U	430 U	381 U	250 U	230 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	94.6	114	NR	NR	1540	4280 J	1190
NITROGLYCERIN	UG/KG	NA	46000	200000	6100 U	43800	NR	NR	**87000**	**180000**	4280 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	1260 J	NR	NR	500 U	450 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	417 U	NR	NR	500 U	450 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2170-05 4/20/2000 0 - 1 ft.	SB-I8-2299-03 7/19/2000 0 - 1 ft.	SB-I8-2299-05 4/20/2000 0 - 1 ft.	SB-I8-2328-02 4/20/2000 0 - 2 ft.	SB-I8-2328-07 4/20/2000 0 - 1.5 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-2328A-03 7/19/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	217 U	238.1 U	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	217 U	238.1 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	217 U	238.1 U	460 R	140 R	**3300 J**	1810 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	217 U	238.1 U	240 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	217 U	238.1 U	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	435 U	476.2 U	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	435 U	476.2 U	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	217 U	238.1 U	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	435 U	476.2 U	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	435 U	476.2 U	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	217 U	238.1 U	240 U	250 U	250 U	135 R
NITROCELLULOSE	MG/KG	NA	NA	NA	139	40.5 U	34.4 U	1650 J	69.4	4010	14900
NITROGLYCERIN	UG/KG	NA	46000	200000	**73000**	5820 U	5600 U	**67000**	7600	**480000 D**	4990 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	435 U	476.2 U	480 U	500 U	550000 J	1640 J
TETRYL	UG/KG	NA	780000	10000000	500 U	435 U	476.2 U	480 U	500 U	500 U	500 U

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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2332-01 7/19/2000 0 - 1.25 ft.	SB-I8-2332-02 4/20/2000 0 - 1.5 ft.	SB-I8-2333-02 4/20/2000 0 - 1 ft.	SB-I8-2333-03 7/19/2000 0 - 1.5 ft.	SB-I8-2405-01 4/20/2000 0 - 1 ft.	SB-I8-2405-05 4/20/2000 0 - 0.5 ft.	SB-I8-2405-06 4/20/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	250 U	NR	NR	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227 U	250 U	NR	NR	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227 U	250 U	NR	NR	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227 U	250 U	NR	NR	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227 U	250 U	NR	NR	250 U	250 U	**1221.1 J**
2-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	455 U	500 U	NR	NR	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227 U	250 U	NR	NR	250 U	250 U	654.8 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	455 U	500 U	NR	NR	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	250 U	410 UJ	388 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	41.2 U	34.9 U	NR	NR	85.2	524	38.1 U
NITROGLYCERIN	UG/KG	NA	46000	200000	6110 U	5800 U	NR	NR	7400	7800	27000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	455 U	500 U	NR	NR	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2405A-01 7/19/2000 0 - 1.5 ft.	SB-I8-2405A-02 4/28/2000 0 - 1 ft.	SB-I8-2409-01 4/20/2000 0 - 1 ft.	SB-I8-2409-04 7/19/2000 0 - 1 ft.	SB-I8-525-03 4/20/2000 0 - 0.5 ft.	SB-I8-525-04 7/19/2000 0 - 1 ft.	SB-I8-560-01 7/19/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227 U	250 U	NR	NR	250 U	227 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227 U	250 U	NR	NR	250 U	227 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227 U	250 U	NR	NR	250 U	227 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227 U	250 U	NR	NR	250 U	227 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227 U	250 U	NR	NR	250 U	227 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	455 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	455 U	500 U	NR	NR	500 U	455 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227 U	250 U	NR	NR	250 U	227 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	455 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	455 U	500 U	NR	NR	500 U	455 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	227 U	250 U	390 UJ	373 U	250 U	227 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	149	42.3 U	NR	NR	79	1170	145
NITROGLYCERIN	UG/KG	NA	46000	200000	7630	3600 J	NR	NR	17000	5600 U	6220 UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	455 U	500 U	NR	NR	500 U	455 U	500 U
TETRYL	UG/KG	NA	780000	10000000	455 U	500 U	NR	NR	500 U	455 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-560-03 4/27/2000 0 - 1.5 ft.	SB-I8-588E-03 4/20/2000 0 - 1 ft.	SB-I8-588E-06 4/20/2000 0 - 1 ft.	SB-I8-8236-01 4/25/2000 0 - 1.25 ft.	SB-I8-8236-05 4/25/2000 0 - 2 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.	SB-I8-9334-02 7/19/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	NR	250 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	NR	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	NR	NR	**1400 J**	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	NR	NR	250 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	NR	250 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	500 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	NR	NR	500 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	NR	NR	250 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	500 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	NR	NR	500 U	476 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	410 U	390 U	250 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	65.6	139	91.4	NR	NR	7050 J	1030
NITROGLYCERIN	UG/KG	NA	46000	200000	6800 U	6800 U	6600 U	NR	NR	**200000**	39100
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	NR	NR	500 U	476 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	500 U	476 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-F2-01 5/4/2000 0 - 1 ft.	SB-I9-2-01 4/20/2000 0 - 1 ft.	SB-I9-2-02 7/19/2000 0 - 1.5 ft.	SB-I9-2311-01 4/28/2000 0 - 1.5 ft.	SB-I9-2311-06 4/28/2000 0 - 1 ft.	SB-I9-2329-04 4/25/2000 0 - 1 ft.	SB-I9-2329-05 4/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	920 R	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	370 U	410 UJ	421 U	250 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	2730	90.8	40.4 U	38.6 U
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	**190000**	25000	5700 U	5700 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-2329-06 4/25/2000 0 - 1 ft.	SB-I9-2329A-01 4/20/2000 0 - 1 ft.	SB-I9-2329A-04 7/19/2000 0 - 2 ft.	SB-I9-3-01 4/25/2000 0 - 1 ft.	SB-I9-3-03 4/25/2000 0 - 1 ft.	SB-I9-3-05 4/25/2000 0 - 1 ft.	SB-I9-3-07 4/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	410 U	400 U	380 U	440 U
NITROCELLULOSE	MG/KG	NA	NA	NA	40.2 U	40.6	71.3	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6500	5600 U	10400	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-3-09 4/25/2000 0 - 1 ft.	SB-I9-3-11 4/25/2000 0 - 1.5 ft.	SB-I9-3-13 4/25/2000 0 - 1.5 ft.	SB-I9-5-01 4/27/2000 0 - 1 ft.	SB-I9-5-05 7/20/2000 0 - 1.5 ft.	SB-I9-515-01 4/28/2000 0 - 2 ft.	SB-I9-516-02 7/19/2000 0 - 1 ft.	SB-I9-516-04 4/28/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	238 U	250 U	200 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	380 U	420 U	340 U	250 U	238 U	250 U	200 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	37.8 U	210 J	41.4 U	43.4	75.9
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	5500 U	2380 J	5900 U	5810 U	7100 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	476 U	500 U	400 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-519-03 7/19/2000 0 - 0.5 ft.	SB-I9-519-04 4/28/2000 0 - 0.5 ft.	SB-I9-520-03 4/28/2000 0 - 1 ft.	SB-I9-520-05 7/19/2000 0 - 1.5 ft.	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	217 U	250 U	250 U	238 U	250 U	238 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	217 U	250 U	250 U	238 U	250 U	238 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	217 U	250 U	250 U	238 U	250 U	**119 J**	**3000**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	217 U	250 U	250 U	238 U	**200 J**	**234 J**	**2100 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	217 U	250 U	250 U	238 U	250 U	238 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	435 U	500 U	500 U	476 U	500 U	476 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	435 U	500 U	500 U	476 U	500 U	476 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	217 U	250 U	250 U	238 U	250 U	238 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	435 U	500 U	500 U	476 U	500 U	476 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	435 U	500 U	500 U	476 U	500 U	476 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	217 U	250 U	250 U	238 U	250 U	238 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	58.2	45.4 U	50.7	148	635	417	945
NITROGLYCERIN	UG/KG	NA	46000	200000	5730 U	6600 U	6100 U	6000 U	8300	23400	12000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	435 U	500 U	500 U	476 U	500 U	476 U	500 U
TETRYL	UG/KG	NA	780000	10000000	435 U	500 U	500 U	476 U	500 U	476 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-587B-02 4/28/2000 0 - 2 ft.	SB-J6-2340-02 4/27/2000 0 - 1.5 ft.	SB-J6-2340-04 4/27/2000 0 - 2 ft.	SB-J7-2-03 4/27/2000 0 - 1.5 ft.	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2246-01 4/27/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	240 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	240 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	**730 J**	**7000 J**	6100 R	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	**41000 J**	**9100 J**	**14000 J**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	240 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	240 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	480 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	210 J	250 U	530 R	250 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	245	193	40.4 U	3980	7040	6810	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	20000	7000	3400 J	**120000**	**570000 D**	**1000000 D**	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2246-02 7/20/2000 0 - 1.5 ft.	SB-J7-2281-02 4/27/2000 0 - 1 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.	SB-J7-2281B-01 4/27/2000 0 - 2 ft.	SB-J7-2281B-03 4/27/2000 0 - 2 ft.	SB-J7-2281B-05 4/27/2000 0 - 2 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	NR	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	NR	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	180 R	NR	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	NR	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	NR	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	NR	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	NR	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	NR	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	374 U	250 U	270 J	380 U	250 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	37 U	466	NR	2720	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5600 U	**110000**	NR	27000	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	NR	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	NR	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2282-03 4/27/2000 0 - 2 ft.	SB-J7-2282-06 4/27/2000 0 - 1 ft.	SB-J7-2324-06 4/27/2000 0 - 2 ft.	SB-J7-241-04 7/20/2000 0 - 1.25 ft.	SB-J7-241-05 4/27/2000 0 - 1 ft.	SB-J7-5-01 7/13/2000 0 - 2 ft.	SB-J7-8240-01 7/20/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	238 U	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	238 U	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	**154 J**	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	NR	**985**	**340 J**	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	238 U	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	476 U	500 U	19.9 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	476 U	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	238 U	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	476 U	500 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	476 U	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	410 U	238 U	250 U	NR	393 U
NITROCELLULOSE	MG/KG	NA	NA	NA	37.7 U	72.2	NR	369 J	74.8	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	6300 U	NR	41300	5900 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	476 U	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	NR	476 U	500 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-8240-02 4/25/2000 0 - 1.5 ft.	SB-J7-8281-01 7/20/2000 0 - 0.5 ft.	SB-J7-8281-02 4/27/2000 0 - 1 ft.	SB-J7-F1-01 4/20/2000 0 - 1.5 ft.	SB-J7-F1-02 7/20/2000 0 - 2 ft.	SB-J8-1-01 4/20/2000 0 - 1 ft.	SB-J8-1-02 7/20/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	NR	250 U	227 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	NR	250 U	227 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	NR	250 U	227 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	NR	250 U	227 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	NR	250 U	227 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	NR	500 U	455 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	NR	500 U	455 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	NR	250 U	227 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	NR	500 U	455 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	NR	500 U	455 U
NITROBENZENE	UG/KG	10000	39000	510000	400 U	448 U	460 U	250 U	390 U	250 U	227 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	42.5 U	NR	43.6 U	49.3 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	5900 U	NR	6200 U	7050 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	NR	500 U	455 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	NR	500 U	455 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J8-2339-02 4/20/2000 0 - 0.5 ft.	SB-J8-2354-01 6/16/2000 0 - 2 ft.	SB-J8-2354-02 4/20/2000 0 - 1.5 ft.	SB-J8-2354-05 4/20/2000 0 - 1 ft.	SB-J8-2354A-03 7/20/2000 0 - 0.5 ft.	SB-J8-2354A-04 4/20/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	227.3 U	248 U	250 U	250 U	200 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	227.3 U	248 U	250 U	250 U	200 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	227.3 U	248 U	3433.2 R	250 U	200 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	227.3 U	248 U	250 U	250 U	200 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	227.3 U	248 U	250 U	250 U	200 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	454.5 U	495 U	500 U	500 U	400 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	454.5 U	495 U	500 U	500 U	400 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	227.3 U	248 U	250 U	250 U	200 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	454.5 U	495 U	500 U	500 U	400 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	454.5 U	495 U	500 U	500 U	400 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	227.3 U	248 U	250 U	250 U	200 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38.1 U	397	5430	148	37.1 UJ	56
NITROGLYCERIN	UG/KG	NA	46000	200000	5400 J	28200	**810000 D**	13000	5090 U	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	454.5 U	495 U	500 U	500 U	400 U	500 U
TETRYL	UG/KG	NA	780000	10000000	454.5 U	495 U	500 U	500 U	400 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J8-8272-02 4/20/2000 0 - 1 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.	SB-J9-2111-04 7/20/2000 0 - 1 ft.	SB-J9-2111-05 4/25/2000 0 - 1.25 ft.	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-2142-05 4/25/2000 0 - 1.5 ft.	SB-J9-3-03 4/28/2000 0 - 0.75 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	217.4 U	NR	200 U	250 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	217.4 U	NR	200 U	250 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	217.4 U	NR	280 R	250 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	217.4 U	NR	**288 J**	250 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	217.4 U	NR	200 U	250 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	434.8 U	NR	400 U	500 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	434.8 U	NR	400 U	500 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	217.4 U	NR	200 U	250 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	434.8 U	NR	400 U	500 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	434.8 U	NR	400 U	500 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	217.4 U	390 U	200 U	250 U	360 U	380 U	520 U
NITROCELLULOSE	MG/KG	NA	NA	NA	83.3	NR	942 J	85	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	11000	NR	42700	5500 J	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	434.8 U	NR	400 U	500 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	434.8 U	NR	400 U	500 U	NR	NR	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10C

Analytical Results
Finishing Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J9-4-03 4/28/2000 0 - 1.25 ft.	SB-K6-8273-03 4/27/2000 0 - 1 ft.	TP-I8-8236-06 8/8/2000 8 - 10 ft.	TP-I9-2329-07 8/9/2000 6.5 - 8.5 ft.
Energetics & Explosives								
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	2500 U	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	2500 U	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 R	2500 U	NR	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**500 J**	80000 R	NR	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	2500 U	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	5000 U	372 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	5000 U	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	2500 U	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	5000 U	743 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	5000 U	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	2500 U	372 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	1060	8340	NR	28.1 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	11000	14000	NR	5450 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	5000 U	NR	476 U
TETRYL	UG/KG	NA	780000	10000000	480 U	5000 U	NR	476 U

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-10D

Analytical Results
Finishing Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-12-01 4/18/2000 0 - 2 ft.	SB-I7-13-01 4/20/2000 0 - 1 ft.	SB-I7-13-02 4/20/2000 0 - 1 ft.	SB-J7-5-01 7/13/2000 0 - 2 ft.	SB-J8-2-01 4/14/2000 0 - 1.25 ft.	SB-J8-2-02 4/14/2000 0 - 2 ft.	SB-J9-5-01 4/25/2000 0 - 1 ft.
Polychlorinated Biphenyls											
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	21 U	22 U	21 U	19.9 U	23 U	19 U	20 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	21 U	22 U	21 U	19.9 U	23 U	19 U	20 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	21 U	22 U	21 U	19.9 U	23 U	19 U	20 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	21 U	22 U	21 U	19.9 U	23 U	19 U	20 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	21 U	22 U	21 U	NR	23 U	19 U	20 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	21 U	22 U	21 U	19.9 U	93	90	17 J
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	41 U	43 U	41 U	NR	44 U	37 U	40 U
TOTAL PCBS	UG/KG	50000	490	2000	41 U	43 U	41 U	19.9 U	93	90	17 J

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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H7-2172A-03 7/13/2000 0 - 1.25 ft.	SB-H7-2172A-05 7/13/2000 0 - 1 ft.	SB-H7-642B-03 4/18/2000 0 - 2 ft.	SB-H8-2171-01 4/18/2000 0 - 1 ft.	SB-H8-2171-03 4/18/2000 0 - 2 ft.	SB-H8-2171-05 4/18/2000 0 - 1.25 ft.	SB-H8-2291-02 4/18/2000 0 - 1.25 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.661 U	0.693 UJ	0.73 UJ	0.71 UJ	0.63 UJ	0.76 UJ	0.69 UJ
ARSENIC	MG/KG	NA	20	20	3.02 J	7.61 J	3.1 *	4.5 *	4.6 *	3.4 *	4.8 *
BERYLLIUM	MG/KG	NA	2	2	0.572	0.533	0.6	0.79	0.67	0.62	0.76
CADMIUM	MG/KG	NA	39	100	0.127 J	0.747	0.37 U	0.24 B	0.36	0.12 B	0.15 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	24.2	66.8	14.5 *	18.6 *	19.6 *	15 *	17.9 *
COPPER	MG/KG	NA	600	600	14.4	452	7.6 J	10.1 J	28 J	12.5 J	25.4 J
LEAD	MG/KG	NA	400	600	7.2	47.2	10.5 J	16.5 J	51.3 J	14.2 J	37.2 J
MERCURY	MG/KG	NA	14	270	0.028 J	1.48 J	0.11 J	0.14 J	0.09 J	0.06 J	0.07 J
NICKEL	MG/KG	NA	250	2400	8.96	12.6	8.1 *	9 *	11.7 *	7.2 *	8.8 *
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.08	1.18	0.65 N	0.91 N	0.57 N	0.48 BN	0.68 N
SILVER	MG/KG	NA	110	4100	0.33 U	0.298 J	0.37 U	0.36 U	0.31 U	0.38 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.1 UJ	1.16 UJ	1.2 U	1.2 U	1 U	1.3 U	1.1 U
ZINC	MG/KG	NA	1500	1500	148	246	49.1 J	158 J	158 J	105 J	132 J

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H8-2291-04 7/20/2000 0 - 1.5 ft.	SB-H8-558-03 4/20/2000 0 - 1.25 ft.	SB-H8-558-04 7/20/2000 0 - 1 ft.	SB-I10-1-03 4/27/2000 0 - 1 ft.	SB-I10-2-02 4/27/2000 0 - 2 ft.	SB-I10-2079-02 4/27/2000 0 - 1 ft.	SB-I10-2079-05 7/20/2000 0 - 1.25 ft.	SB-I10-2080-01 4/27/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.788 U	0.74 UJ	0.668 U	0.69 UJ	**17 J**	0.38 J	0.529 U	0.6 UJ
ARSENIC	MG/KG	NA	20	20	11.7	4.2	6.72	3.8 J	5.4 J	5.8 J	8.81	2.8 J
BERYLLIUM	MG/KG	NA	2	2	0.862 J	0.67	0.586 J	0.55	0.59	0.5	0.526 J	0.29
CADMIUM	MG/KG	NA	39	100	0.692	0.49	0.769	0.61	2.4	0.92	1.26	0.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	26.6	16 N	16	14.8	15.1	16.2	24.2	15.7
COPPER	MG/KG	NA	600	600	22.2	18.4 N	26.7	23.5	61.8	28.5	107	23.4
LEAD	MG/KG	NA	400	600	19	44.9 J	57.5	55.9	**5700**	49.5	64.1	20.8
MERCURY	MG/KG	NA	14	270	0.061	0.35 N	1.09	0.13 N	0.14 J	0.14 N	0.1	0.06 N
NICKEL	MG/KG	NA	250	2400	13.8	10.5	10.7	9	9.6	7.9	10.9	10.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.29 U	0.66 N	1.19 U	0.59 N	0.83 N	0.53 BN	0.964 U	0.45 BN
SILVER	MG/KG	NA	110	4100	0.394 U	0.37 U	0.334 U	0.34 U	0.36 U	0.34 U	0.264 U	0.3 U
THALLIUM	MG/KG	NA	2	2	1.31 U	1.2 U	1.11 U	1.1 U	1.2 U	1.1 U	0.881 U	1 U
ZINC	MG/KG	NA	1500	1500	121	127	94	176 E	1000 E	138 E	326	52.3 E

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ft. = Feet below ground surface

Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I10-2080-02 7/20/2000 0 - 1 ft.	SB-I10-3-02 4/27/2000 0 - 1 ft.	SB-I10-550-02 4/27/2000 0 - 1 ft.	SB-I10-552-04 4/27/2000 0 - 0.5 ft.	SB-I10-E50-01 7/20/2000 0 - 1 ft.	SB-I10-E50-05 4/28/2000 0 - 1.25 ft.	SB-I7-15-04 7/19/2000 0 - 1.25 ft.	SB-I7-15-05 4/20/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.572 U	0.61 UJ	1.3 J	0.7 UJ	0.536 U	0.64 UN	0.512 UJ	0.62 UJ
ARSENIC	MG/KG	NA	20	20	4.16	4.9 J	14.6	**21.9 J**	**25.5**	4.7	4.11	11.9
BERYLLIUM	MG/KG	NA	2	2	0.488 J	0.58	0.7	0.73	0.446 J	0.35	0.58	0.6
CADMIUM	MG/KG	NA	39	100	0.809	1.3	0.89	0.67	0.588	0.32 U	0.626	0.3 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.6	28.7	18.2	20.5	12.1	9.1	19	39.8 N
COPPER	MG/KG	NA	600	600	21.9	**8590**	202	17.1	9.66	12.7 N	12.9	15.5 N
LEAD	MG/KG	NA	400	600	26.3	53.3	**803 J**	129	11.2	11	13.7	16.4 J
MERCURY	MG/KG	NA	14	270	0.101	0.07 N	0.54 N	0.16 N	0.059	0.03 B	0.046	0.07 N
NICKEL	MG/KG	NA	250	2400	8.3	24	15.9 J	10.7	5.67	5.2	6.38	7.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.983 U	0.51 UN	**803**	1.7 N	0.787 U	0.54 U	1.01	0.7 N
SILVER	MG/KG	NA	110	4100	0.286 U	0.19 B	0.71 U	0.35 U	0.268 U	0.32 U	0.256 U	0.31 U
THALLIUM	MG/KG	NA	2	2	0.953 U	1 U	2.4 U	1.2 U	0.894 U	1.1 U	0.853 U	1 U
ZINC	MG/KG	NA	1500	1500	93.2	131 E	**1660 J**	78 E	40.2	186	96.5	120

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ft. = Feet below ground surface

Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-2124-04 4/20/2000 0 - 1.5 ft.	SB-I7-2124-05 4/20/2000 0 - 2 ft.	SB-I7-2124-06 4/20/2000 0 - 2 ft.	SB-I7-2133A-03 4/27/2000 0 - 1 ft.	SB-I7-2305-02 4/20/2000 0 - 1.25 ft.	SB-I7-3-03 4/20/2000 0 - 1.5 ft.	SB-I7-4-01 4/20/2000 0 - 1 ft.	SB-I7-5-03 4/28/2000 0 - 1.25 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.69 UJ	0.58 UJ	0.65 UJ	1.4 UJ	0.69 UJ	0.77 UJ	0.79 UJ	5.1 N
ARSENIC	MG/KG	NA	20	20	6.4	3.2	3.3	12.1	6.5	6.8	3.6	**562**
BERYLLIUM	MG/KG	NA	2	2	0.59	0.57	0.74	0.66	0.35	0.86	0.64	0.46
CADMIUM	MG/KG	NA	39	100	0.34 B	0.2 B	0.23 B	1.3	0.36	0.3 B	0.27 B	0.34 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16 N	12.9 N	16.4 N	28.2	16.7 N	16.9 N	15.2 N	25.7
COPPER	MG/KG	NA	600	600	18.5 N	15.8 N	11.8 N	33.6	28.3 N	12.7 N	9.6 N	40.9 N
LEAD	MG/KG	NA	400	600	57.6 J	6.4 J	11.5 J	64 J	32.7 J	27.3 J	16.3 J	67.5
MERCURY	MG/KG	NA	14	270	**15.2 N**	0.03 UN	0.04 N	0.14 N	0.08 N	0.09 N	0.1 N	0.12
NICKEL	MG/KG	NA	250	2400	9.1	8.1	8	12.4 J	7.2	6.8	6.5	13.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.86 N	0.51 N	0.68 N	**64**	0.53 BN	1.4 N	0.9 N	0.47 B
SILVER	MG/KG	NA	110	4100	0.35 U	0.29 U	0.32 U	0.72 U	0.34 U	0.39 U	0.4 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.97 U	1.1 U	2.4 U	1.1 U	1.3 U	1.3 U	1.1 U
ZINC	MG/KG	NA	1500	1500	113	52.5	49.7	566 J	96.5	104	95	66

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I7-566A-01 7/13/2000 0 - 2 ft.	SB-I7-8181-01 4/28/2000 0 - 2 ft.	SB-I7-8181-04 7/21/2000 0 - 1.5 ft.	SB-I7-B59-02 4/20/2000 0 - 1.25 ft.	SB-I8-2138-03 4/20/2000 0 - 2 ft.	SB-I8-2170-04 7/19/2000 0 - 1 ft.	SB-I8-2170-05 4/20/2000 0 - 1 ft.	SB-I8-2299-03 7/19/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.737 U	0.76 UN	0.504 U	0.3 UJ	0.54 UJ	0.684 UJ	0.69 UN	0.612 UJ
ARSENIC	MG/KG	NA	20	20	**62.6 J**	8.7	3.55	**34.8**	**265**	19.1	4 *N	4.52
BERYLLIUM	MG/KG	NA	2	2	0.495	0.46	0.6 J	0.35	0.59	0.555	0.51	0.741
CADMIUM	MG/KG	NA	39	100	0.2 J	0.17 B	0.702	0.26 B	0.35 B	0.813	0.24 B	0.665
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.3	32.6	26.7	35.8 N	21.7 N	15.3	15.5	21.5
COPPER	MG/KG	NA	600	600	17.7	32.8 N	20.2	16.8 N	48 N	24.5	16.7 *	32
LEAD	MG/KG	NA	400	600	122	48.8	14.2	11.3 J	67.3 J	61.2	34.7 *	9.43
MERCURY	MG/KG	NA	14	270	0.166 J	0.06	0.158	0.05 N	0.27 N	0.176	0.1 N	0.057
NICKEL	MG/KG	NA	250	2400	9.42	11.1	8.61	5.3	15.7	10.8	9	11.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.76	0.64 U	0.796 U	0.64 UN	1.2 N	1.74	0.56 B	0.635
SILVER	MG/KG	NA	110	4100	0.368 U	0.38 U	0.252 U	0.32 U	0.37 U	0.342 U	0.35 U	0.306 U
THALLIUM	MG/KG	NA	2	2	1.23 UJ	1.3 U	0.84 U	1.1 U	1.2 U	1.14 U	1.2 UN	1.02 U
ZINC	MG/KG	NA	1500	1500	78.9	129	178	45.7	201	160	127	63.2

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2299-05 4/20/2000 0 - 1 ft.	SB-I8-2328-02 4/20/2000 0 - 2 ft.	SB-I8-2328-07 4/20/2000 0 - 1.5 ft.	SB-I8-2328A-02 4/20/2000 0 - 2 ft.	SB-I8-2328A-03 7/19/2000 0 - 1 ft.	SB-I8-2332-01 7/19/2000 0 - 1.25 ft.	SB-I8-2332-02 4/20/2000 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.57 UN	0.69 UJ	0.62 UJ	0.65 UJ	0.646 UJ	0.643 UJ	0.63 UJ
ARSENIC	MG/KG	NA	20	20	3.7 *N	6.8	10.6	3.4	6.46	3.56	3.3
BERYLLIUM	MG/KG	NA	2	2	0.74	0.64	0.11	0.66	0.466	0.655	0.65
CADMIUM	MG/KG	NA	39	100	0.29 U	0.27 B	0.05 B	0.58	0.541	0.622	0.3 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	24.8	17.8 N	3.5 N	16.5 J	51.1	14	15.6 N
COPPER	MG/KG	NA	600	600	40.5 *	27.8 N	1.6 N	28.4 J	34	15	17.1 N
LEAD	MG/KG	NA	400	600	6.1 *	6.8 J	1.4 J	21.3 J	12.6	10.4	8 J
MERCURY	MG/KG	NA	14	270	0.06 N	0.06 N	0.04 N	0.18 J	0.197	0.028 J	0.05 N
NICKEL	MG/KG	NA	250	2400	13.5	9	1.8	10.3	10.7	8.62	11.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.48 U	0.93 N	0.51 UN	0.67 J	0.652	0.965	0.47 BN
SILVER	MG/KG	NA	110	4100	0.29 U	0.35 U	0.31 U	0.32 U	0.323 U	0.322 U	0.31 U
THALLIUM	MG/KG	NA	2	2	0.91 BN	1.2 U	1 U	1.1 U	1.08 U	1.07 U	1 U
ZINC	MG/KG	NA	1500	1500	43.5	46.8	12.1	73.7	101	61	83

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2333-02 4/20/2000 0 - 1 ft.	SB-I8-2333-03 7/19/2000 0 - 1.5 ft.	SB-I8-2405-01 4/20/2000 0 - 1 ft.	SB-I8-2405-05 4/20/2000 0 - 0.5 ft.	SB-I8-2405-06 4/20/2000 0 - 2 ft.	SB-I8-2405A-01 7/19/2000 0 - 1.5 ft.	SB-I8-2405A-02 4/28/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	**20.5 N**	0.646 UJ	0.6 UN	0.65 UN	0.57 UN	0.508 UJ	0.65 UN
ARSENIC	MG/KG	NA	20	20	6 *N	6.03	5.2 *N	6.1 *N	2.4 *N	3.46	4.6
BERYLLIUM	MG/KG	NA	2	2	0.68	0.973	0.49	0.43	0.41	0.634	0.68
CADMIUM	MG/KG	NA	39	100	0.36 U	0.875	0.3 U	0.32 U	0.28 U	0.687	0.33 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.5	32.5	15.2	13.5	14.6	14.6	18.3
COPPER	MG/KG	NA	600	600	39 *	63	21.6 *	22.2 *	14.2 *	21.3	25.8 N
LEAD	MG/KG	NA	400	600	17.7 *	12.1	59.1 *	50.4 *	11.3 *	6.64	8.4
MERCURY	MG/KG	NA	14	270	0.07 N	0.068	0.03 N	0.05 N	0.06 N	0.04	0.02 B
NICKEL	MG/KG	NA	250	2400	13	16.6	8	7.3	5.7	8.89	11
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.61 U	1.16	0.5 U	0.54 U	0.52	0.588	0.54 U
SILVER	MG/KG	NA	110	4100	0.36 U	0.323 U	0.3 U	0.32 U	0.28 U	0.254 U	0.33 U
THALLIUM	MG/KG	NA	2	2	1.2 UN	1.08 U	0.72 BN	1.1 UN	0.95 UN	0.846 U	1.3
ZINC	MG/KG	NA	1500	1500	61.2	57	64	61.1	42.5	218	68.8

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-2409-01 4/20/2000 0 - 1 ft.	SB-I8-2409-04 7/19/2000 0 - 1 ft.	SB-I8-525-03 4/20/2000 0 - 0.5 ft.	SB-I8-525-04 7/19/2000 0 - 1 ft.	SB-I8-560-01 7/19/2000 0 - 1 ft.	SB-I8-560-03 4/27/2000 0 - 1.5 ft.	SB-I8-588E-03 4/20/2000 0 - 1 ft.	SB-I8-588E-06 4/20/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.67 UN	0.542 UJ	0.65 UN	0.534 UJ	0.632 UJ	0.77 UJ	1.3 N	5.1 N
ARSENIC	MG/KG	NA	20	20	3.7 *N	3.58	9.3 *N	7.39	6.96	7.1	8.1 *N	6.8 *N
BERYLLIUM	MG/KG	NA	2	2	0.54	0.599	0.52	0.554	0.781	1.3	0.88	0.63
CADMIUM	MG/KG	NA	39	100	0.34 U	0.505	0.32 U	0.632	0.608	0.79	0.53	0.18 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.8	13.4	15.6	14.7	17.6	23.4	22.3	19.1
COPPER	MG/KG	NA	600	600	23.1 *	13.6	29.4 *	53.2	16.9	24	158 *	70 *
LEAD	MG/KG	NA	400	600	8.2 *	5.86	64.4 *	72.7	46.4	22.3 J	**3520** *	**6080** *
MERCURY	MG/KG	NA	14	270	0.06 N	0.018 J	0.04 N	0.039	0.173	0.22 N	13.4 N	0.2 N
NICKEL	MG/KG	NA	250	2400	9.1	7.57	9	7.45	9.95	9.2 J	12.7	15.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.56 U	0.762	0.54 U	1.03	1.7 J	1.9	1.2	0.94
SILVER	MG/KG	NA	110	4100	0.34 U	0.271 U	0.32 U	0.267 U	0.316 U	0.29 B	0.29 B	0.43
THALLIUM	MG/KG	NA	2	2	0.69 BN	0.903 U	0.6 BN	0.889 U	1.05 UJ	1.3 U	1.4 UN	1.2 UN
ZINC	MG/KG	NA	1500	1500	51	53.9	79.4	97.4	88.3	136 J	271	72.5

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I8-8236-01 4/25/2000 0 - 1.25 ft.	SB-I8-8236-05 4/25/2000 0 - 2 ft.	SB-I8-9334-01 4/20/2000 0 - 1 ft.	SB-I8-9334-02 7/19/2000 0 - 1 ft.	SB-I8-F2-01 5/4/2000 0 - 1 ft.	SB-I9-2-01 4/20/2000 0 - 1 ft.	SB-I9-2-02 7/19/2000 0 - 1.5 ft.	SB-I9-2329-04 4/25/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.7 UJ	0.6 UN	0.81 UJ	0.469 UJ	0.63 UN	0.68 UN	0.654 UJ	0.51 UJ
ARSENIC	MG/KG	NA	20	20	14.5 N	3.6 N	15.9	8.03	4.9	17.9 *N	9.52	4 N
BERYLLIUM	MG/KG	NA	2	2	0.58	0.71	0.82	0.433	0.6	0.51	0.88	0.59
CADMIUM	MG/KG	NA	39	100	2.1	0.1 B	0.77	0.516	0.6	0.05 U	0.766	0.07 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	19.9	17.8	21 N	21.4	18.2	19.8	21.7	18.9
COPPER	MG/KG	NA	600	600	74.7	16.3	56.5 N	24	23.9 J	37.1 *	21.5	14.2
LEAD	MG/KG	NA	400	600	253	15.1	76.7 J	22.4	20.4	82.1 *	37	8.6
MERCURY	MG/KG	NA	14	270	0.32 N	0.06 N	0.25 N	0.064	0.06 J	0.19 N	0.097	0.04 UN
NICKEL	MG/KG	NA	250	2400	13.2	10.6	11.2	9.4	9.7 J	10.9	11.2	10.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.86 N	0.67 N	1.4 N	0.435	0.5 BN	1.4	1.42	0.5 N
SILVER	MG/KG	NA	110	4100	0.24 B	0.3 U	0.4 U	0.234 U	0.32 U	0.34 U	0.327 U	0.26 U
THALLIUM	MG/KG	NA	2	2	1.2 U	0.99 U	1.3 U	0.782 U	1.1 UN	1.1 UN	1.09 U	0.86 U
ZINC	MG/KG	NA	1500	1500	636	58.8	127	74.2	78	49.3	76.4	54.8

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-2329-05 4/25/2000 0 - 1 ft.	SB-I9-2329-06 4/25/2000 0 - 1 ft.	SB-I9-2329A-01 4/20/2000 0 - 1 ft.	SB-I9-2329A-04 7/19/2000 0 - 2 ft.	SB-I9-3-01 4/25/2000 0 - 1 ft.	SB-I9-3-03 4/25/2000 0 - 1 ft.	SB-I9-3-05 4/25/2000 0 - 1 ft.	SB-I9-3-07 4/25/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.5 UJ	0.7 UJ	0.63 UN	0.388 UJ	0.66 UJ	0.58 UJ	0.59 UJ	0.69 UJ
ARSENIC	MG/KG	NA	20	20	6.5 N	6.9 N	3.1 *N	5.48	11 N	5.7 N	4.6 N	4.5 N
BERYLLIUM	MG/KG	NA	2	2	0.39	0.66	0.32	0.425	0.79	0.65	0.58	0.66
CADMIUM	MG/KG	NA	39	100	0.07 B	0.24 B	0.32 U	0.445	0.19 B	0.08 B	0.05 B	0.06 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.1	15.3	12.2	11.2	27.4	16.2	16.2	19.6
COPPER	MG/KG	NA	600	600	20.5	18.8	38.7 *	16.6	22.4	16.3	14	16.4
LEAD	MG/KG	NA	400	600	29.9	31.7	17.6 *	23.6	75.3	39.4	21.1	14.9
MERCURY	MG/KG	NA	14	270	0.09 N	0.06 N	0.04 N	0.049	0.13 N	0.08 N	0.04 N	0.03 BN
NICKEL	MG/KG	NA	250	2400	10	9.7	4.6	3.65	11.7	9.6	8.9	10.9
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.81 N	0.77 N	0.53 U	0.387	1 N	0.64 N	0.76 N	0.63 N
SILVER	MG/KG	NA	110	4100	0.25 U	0.35 U	0.32 U	0.194 U	0.33 U	0.29 U	0.29 U	0.34 U
THALLIUM	MG/KG	NA	2	2	0.55 B	1.2 U	1.1 UN	0.646 U	1.1 U	0.96 U	0.98 U	1.1 U
ZINC	MG/KG	NA	1500	1500	50.6	87	51.8	99.5	98.2	77.4	57.8	167

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-3-09 4/25/2000 0 - 1 ft.	SB-I9-3-11 4/25/2000 0 - 1.5 ft.	SB-I9-3-13 4/25/2000 0 - 1.5 ft.	SB-I9-515-01 4/28/2000 0 - 2 ft.	SB-I9-516-02 7/19/2000 0 - 1 ft.	SB-I9-516-04 4/28/2000 0 - 1 ft.	SB-I9-519-03 7/19/2000 0 - 0.5 ft.	SB-I9-519-04 4/28/2000 0 - 0.5 ft.	SB-I9-520-03 4/28/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.66 UJ	0.56 UJ	0.57 UJ	0.6 UJ	0.671 UJ	0.82 UJ	0.678 UJ	0.71 UJ	0.73 UJ
ARSENIC	MG/KG	NA	20	20	7.3 N	4.6 N	4.7 J	7 J	4.26	8.9 J	6.96	3.5 J	8.3 J
BERYLLIUM	MG/KG	NA	2	2	0.46	0.65	0.48	0.65	0.685	0.82	0.633	0.92	0.76
CADMIUM	MG/KG	NA	39	100	0.04 B	0.1 B	0.28 U	0.81	0.741	0.89	0.482	0.77	1
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.3	15.6	14.3	18.4	16.9	26.2	17.2	16.9	20.4
COPPER	MG/KG	NA	600	600	17.1	11.4	12.8	26.4	17.2	16.5	37.2	9.9	25.4
LEAD	MG/KG	NA	400	600	27	22	5.7	28.6	34.9	43.9	**1370**	12.3	379
MERCURY	MG/KG	NA	14	270	0.06 N	0.06 N	0.03 UN	0.06	0.068	0.11	0.135	0.04	0.05
NICKEL	MG/KG	NA	250	2400	7.6	8.5	9.8	10.3	11.5	13.3	11	9.4	14.2
pH	PH	NA	NA	NA	NR	NR	NR	5.29	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.61 N	0.75 N	0.46 J	1.1 N	1.24	1.2 N	1.4	0.97 J	0.89 N
SILVER	MG/KG	NA	110	4100	0.33 U	0.28 U	0.28 U	0.3 U	0.335 U	0.41 U	0.339 U	0.36 U	0.37 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.94 U	0.94 U	1 U	1.12 U	1.4 U	1.13 U	1.1 B	1.2 U
ZINC	MG/KG	NA	1500	1500	51.7	103	54.3	66.4 E	59.8	77.5 E	243	81 E	333 E

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I9-520-05 7/19/2000 0 - 1.5 ft.	SB-I9-523-03 4/28/2000 0 - 0.5 ft.	SB-I9-523-05 7/19/2000 0 - 1 ft.	SB-I9-524-01 4/27/2000 0 - 1 ft.	SB-J10-587B-02 4/28/2000 0 - 2 ft.	SB-J6-2340-02 4/27/2000 0 - 1.5 ft.	SB-J6-2340-04 4/27/2000 0 - 2 ft.	SB-J7-2-03 4/27/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.673 UJ	0.67 UJ	0.619 UJ	0.54 J	0.62 BN	0.66 UJ	0.74 J	0.58 UJ
ARSENIC	MG/KG	NA	20	20	11.5	11.7 J	10.9	**240 J**	8.3	14.5	17.9	8.9
BERYLLIUM	MG/KG	NA	2	2	0.761	0.47	0.499	0.23	0.57	0.7	0.39	0.59
CADMIUM	MG/KG	NA	39	100	0.276 J	0.71	0.264 J	0.33	0.9	0.92	0.75	0.48
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.1	24.6	34	4.9	17.1	19.4	21.5	10.9
COPPER	MG/KG	NA	600	600	23.9	57.9	47	8.6	35.5 N	24.1	44.6	15.1
LEAD	MG/KG	NA	400	600	156	59.2	58.1	48.6	177	53.3 J	321 J	54.4 J
MERCURY	MG/KG	NA	14	270	0.144	0.05	0.101	0.04 N	0.12	0.15 N	0.28 N	0.09 J
NICKEL	MG/KG	NA	250	2400	13.6	8.2	12.7	1.9	16.5	9.9 J	7.2 J	8.1 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.74	0.45 BN	1.07	0.59 N	0.59 U	0.97	0.71	0.68
SILVER	MG/KG	NA	110	4100	0.336 U	0.33 U	0.31 U	0.29 U	0.36 U	0.33 U	0.29 B	0.29 U
THALLIUM	MG/KG	NA	2	2	1.12 U	1.1 U	1.03 U	0.97 U	0.58 B	0.93 U	0.78 U	1.1 U
ZINC	MG/KG	NA	1500	1500	93.7	97.4 E	115	25.6 E	441	196 J	128 J	98.2 J

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2133-01 4/27/2000 0 - 1.5 ft.	SB-J7-2133-06 4/27/2000 0 - 1.5 ft.	SB-J7-2246-01 4/27/2000 0 - 2 ft.	SB-J7-2246-02 7/20/2000 0 - 1.5 ft.	SB-J7-2281-02 4/27/2000 0 - 1 ft.	SB-J7-2281-05 4/27/2000 0 - 2 ft.	SB-J7-2281B-01 4/27/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.5 J	1 J	0.68 UJ	0.483 U	0.64 UJ	0.6 UJ	0.56 UJ
ARSENIC	MG/KG	NA	20	20	**33.3**	**28.3**	4.5	10.5	3.6	12	2.6
BERYLLIUM	MG/KG	NA	2	2	0.44	0.6	0.48	0.524 J	0.56	0.56	0.56
CADMIUM	MG/KG	NA	39	100	0.87	0.8	0.46	0.735	0.38	0.45	0.43
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	26.4	26.2	11.5	18.8	13.3	17.2	9.2
COPPER	MG/KG	NA	600	600	118	107	14.5	15.2	12.8	15.4	10.4
LEAD	MG/KG	NA	400	600	**1950 J**	**1570 J**	14.5 J	17.4	6.4 J	14.1 J	7.1 J
MERCURY	MG/KG	NA	14	270	4.8 N	1.8 N	0.07 N	0.101	0.03 BN	0.05 N	0.03 BN
NICKEL	MG/KG	NA	250	2400	6.4 J	9.2 J	7.8 J	8.43	8.6 J	9.3 J	5.5 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.88	1.2	0.57 B	0.94 U	0.66	0.98	0.75
SILVER	MG/KG	NA	110	4100	0.33 U	0.35 U	0.34 U	0.242 U	0.32 U	0.3 U	0.28 U
THALLIUM	MG/KG	NA	2	2	1.1 U	1.2 U	1.1 U	0.806 U	1.1 U	1.1 U	0.61 U
ZINC	MG/KG	NA	1500	1500	235 J	163 J	46.8 J	71.1	39.4 J	62 J	44.1 J

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-2281B-03 4/27/2000 0 - 2 ft.	SB-J7-2281B-05 4/27/2000 0 - 2 ft.	SB-J7-2282-03 4/27/2000 0 - 2 ft.	SB-J7-2282-06 4/27/2000 0 - 1 ft.	SB-J7-2324-06 4/27/2000 0 - 2 ft.	SB-J7-8240-01 7/20/2000 0 - 1 ft.	SB-J7-8240-02 4/25/2000 0 - 1.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.59 UJ	0.65 UJ	2.8 J	0.7 UJ	0.71 UJ	0.625	0.63 UJ
ARSENIC	MG/KG	NA	20	20	3	2.4	2.4	7.7	**38.3**	6.91	9.4 N
BERYLLIUM	MG/KG	NA	2	2	0.66	0.78	0.58	0.8	0.76	0.619 J	0.59
CADMIUM	MG/KG	NA	39	100	0.45	0.4	0.35	0.81	0.71	1.41	0.42
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.2	10.3	10.5	20.1	49.9	17.8	15.8
COPPER	MG/KG	NA	600	600	14.6	9.9	12.1	23.3	42.4	19.7	17.8
LEAD	MG/KG	NA	400	600	11.1 J	5.1 J	5.2 J	37.8 J	**744 J**	155	117
MERCURY	MG/KG	NA	14	270	0.23 N	0.02 BN	0.02 BN	0.12 N	0.82 N	0.1	0.28 N
NICKEL	MG/KG	NA	250	2400	8 J	5.9 J	6.3 J	12.1 J	9.1 J	10.9	9.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.78	0.65	0.54 U	1.1	0.87	0.878 U	0.64 N
SILVER	MG/KG	NA	110	4100	0.29 U	0.32 U	0.32 U	0.35 U	0.35 U	0.291 U	0.31 U
THALLIUM	MG/KG	NA	2	2	0.99 U	1.1 U	0.98 U	1.2 U	1.2 U	0.97 U	1 U
ZINC	MG/KG	NA	1500	1500	59 J	39.9 J	43.5 J	384 J	164 J	323	113

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J7-8281-01 7/20/2000 0 - 0.5 ft.	SB-J7-8281-02 4/27/2000 0 - 1 ft.	SB-J7-F1-01 4/20/2000 0 - 1.5 ft.	SB-J7-F1-02 7/20/2000 0 - 2 ft.	SB-J8-2339-02 4/20/2000 0 - 0.5 ft.	SB-J8-2354-02 4/20/2000 0 - 1.5 ft.	SB-J8-2354-05 4/20/2000 0 - 1 ft.	SB-J9-1-02 4/25/2000 0 - 0.75 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.374 J	0.82 UJ	0.66 UJ	0.453 UJ	0.58 UN	0.58 UN	0.6 UN	0.65 UJ
ARSENIC	MG/KG	NA	20	20	18.3	6.6	8.4	4.84 J	3.9 *N	18.9 *N	4.2 *N	**29.6 N**
BERYLLIUM	MG/KG	NA	2	2	1.3 J	1.9	0.5	0.674 J	0.68	0.69	0.37	0.45
CADMIUM	MG/KG	NA	39	100	1.05	0.54	0.26 B	0.697	0.29 U	0.21 B	0.1 U	0.93
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21.7	15.3	12.7 N	15.4	22	20.1	11.3	24
COPPER	MG/KG	NA	600	600	32.2	22.4	14.7 N	17.7	72 *	27.4 *	18.4 *	**1690**
LEAD	MG/KG	NA	400	600	74	46.2 J	20.2 J	20.2	11.1 *	16.3 *	14.2 *	65.2
MERCURY	MG/KG	NA	14	270	0.249	0.11 N	0.06 N	0.057	0.06 N	0.23 N	0.13 N	0.2 N
NICKEL	MG/KG	NA	250	2400	11.5	9.3 J	7.1	9.24	21.6	7.2	8.4	15.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.25 U	1	0.6 N	1.03 UJ	0.48 U	0.49 U	0.5 U	1.2 N
SILVER	MG/KG	NA	110	4100	0.255 J	0.38 B	0.33 U	0.226 U	0.29 U	0.29 U	0.3 U	0.93
THALLIUM	MG/KG	NA	2	2	1.03 U	1 U	1.1 U	0.754 U	0.62 BN	0.97 UN	1 UN	1.1 U
ZINC	MG/KG	NA	1500	1500	179	142 J	69.4	69.6	232	56.3	61.7	444

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Table 5-10E

Analytical Results
Finishing Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J9-2142-04 4/25/2000 0 - 1 ft.	SB-J9-2142-05 4/25/2000 0 - 1.5 ft.	SB-J9-3-03 4/28/2000 0 - 0.75 ft.	SB-J9-4-03 4/28/2000 0 - 1.25 ft.
Metals, Total								
ANTIMONY	MG/KG	NA	14	340	0.4 J	0.69 UJ	1.8 N	0.8 J
ARSENIC	MG/KG	NA	20	20	**54.3 N**	5.4 N	17.7	**26.6**
BERYLLIUM	MG/KG	NA	2	2	0.47	0.47	0.54	0.63
CADMIUM	MG/KG	NA	39	100	0.36	0.25 B	0.46 U	0.43 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	11.5	13.6	30.5	15.6
COPPER	MG/KG	NA	600	600	36.2	**1200**	39.6 N	61 J
LEAD	MG/KG	NA	400	600	99	96.7	115	81.6
MERCURY	MG/KG	NA	14	270	0.51 N	0.15 N	0.4	0.16
NICKEL	MG/KG	NA	250	2400	8.3	8.8	16.9	12.1
pH	PH	NA	NA	NA	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.92 N	0.86 N	2	0.96
SILVER	MG/KG	NA	110	4100	0.27 U	0.43	0.22 B	0.43 U
THALLIUM	MG/KG	NA	2	2	0.9 U	1.2 U	1.5 U	1.4 U
ZINC	MG/KG	NA	1500	1500	156	105	80	56.6

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ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H12-120-02 9/12/2000 0 - 1 ft.	SB-H12-120-03 5/25/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	400 U	420 U	450 U	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	400 U	420 U	450 U	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	84.4	83.7	74.5	79.5	87.9	93.2	87
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H12-120-02 9/12/2000 0 - 1 ft.	SB-H12-120-03 5/25/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

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Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-2-01 5/25/2000 0 - 1 ft.	SB-H13-2-02 5/25/2000 0 - 1 ft.	SB-H13-2-03 5/25/2000 0 - 1 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.	SB-H13-3-01 5/25/2000 0 - 1.5 ft.	SB-H13-3-02 5/25/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	87	79.5	74.9	84.7	89.9	88	84.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-2-01 5/25/2000 0 - 1 ft.	SB-H13-2-02 5/25/2000 0 - 1 ft.	SB-H13-2-03 5/25/2000 0 - 1 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.	SB-H13-3-01 5/25/2000 0 - 1.5 ft.	SB-H13-3-02 5/25/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-3-03 5/25/2000 0 - 1.5 ft.	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	420 U	400 U	400 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	31.1 J	80.69 J	400 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	72.7	76.8	90.4	80.4	83.9	83.2	88.5
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-3-03 5/25/2000 0 - 1.5 ft.	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	84.5	84.8	91.9	89	89.7	77.8	80.8
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-1-04 6/2/2000 0 - 1 ft.	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	76.5	89.2	83.1	96.8	93	89.1	87.8	94
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-1-04 6/2/2000 0 - 1 ft.	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-11 5/31/2000 0 - 1 ft.	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-12-01 6/2/2000 0 - 1 ft.	SB-I12-12-01 6/2/2000 0.5 - 1.0 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-13-03 6/2/2000 0.5 - 1.0 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	525 U	NR	508 U	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	525 U	NR	508 U	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	525 U	NR	508 U	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	508 U	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	525 U	NR	508 U	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	1050 U	NR	1020 UJ	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	525 U	NR	508 U	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	2100 U	NR	2030 U	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	525 UJ	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	144 J	NR	508 U	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	525 U	NR	508 U	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	525 U	NR	508 U	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	1250 UJ	NR	1020 U	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	525 U	NR	508 U	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	525 U	NR	508 U	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	1250 U	NR	1020 U	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	525 U	NR	508 U	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	1250 U	NR	1020 U	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	525 U	NR	508 U	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	603 U	NR	604 U	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	87.9	87.9	94.4	NR	88.2	NR	90.1	85.6
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	525 U	NR	508 U	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-11 5/31/2000 0 - 1 ft.	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-12-01 6/2/2000 0 - 1 ft.	SB-I12-12-01 6/2/2000 0.5 - 1.0 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-13-03 6/2/2000 0.5 - 1.0 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	525 U	NR	508 U	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	525 U	NR	401 J	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	1020 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-15-04 5/31/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	85.4	86.1	92.6	93.1	92.2	94.4	91.2
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-15-04 5/31/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	93.9	94.8	94	85.8	86	94.8
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-7-04 5/26/2000 0 - 1.5 ft.	SB-I12-8-01 6/1/2000 0 - 1 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	410 UJ	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	410 UJ	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	87.5	92.3	82.1	87.9	91.6	92.7	88.1
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-7-04 5/26/2000 0 - 1.5 ft.	SB-I12-8-01 6/1/2000 0 - 1 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-01 9/13/2000 0.5 - 1.0 ft.	SB-I12-8581-04 6/2/2000 0 - 1 ft.	SB-I12-8581-04 6/2/2000 0.5 - 1.0 ft.	SB-I12-9-01 6/1/2000 0 - 1 ft.	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	601 U	NR	521 U	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	601 U	NR	521 U	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	601 U	NR	521 U	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	601 U	NR	521 U	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	601 U	NR	521 U	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	601 U	NR	521 U	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	601 U	NR	521 U	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	1200 U	NR	1040 UJ	NR	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	601 U	NR	521 U	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	2400 U	NR	2080 U	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	601 U	NR	521 U	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	601 U	NR	521 U	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	601 U	NR	521 U	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1200 U	NR	1040 U	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	601 U	NR	521 U	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	601 U	NR	521 U	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	1200 U	NR	1040 U	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	601 U	NR	521 U	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	1200 U	NR	1040 U	NR	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	601 U	NR	521 U	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	601 U	NR	521 U	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	601 U	NR	521 U	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	613 U	NR	620 U	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	86.3	NR	96.4	NR	88.9	85	85
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	601 U	NR	521 U	NR	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-01 9/13/2000 0.5 - 1.0 ft.	SB-I12-8581-04 6/2/2000 0 - 1 ft.	SB-I12-8581-04 6/2/2000 0.5 - 1.0 ft.	SB-I12-9-01 6/1/2000 0 - 1 ft.	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	601 U	NR	521 U	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	601 U	NR	521 U	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	601 U	NR	306 J	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	1200 U	NR	1040 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0.5 - 1.0 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0.5 - 1.0 ft.	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.	SB-I12-9112-04 6/2/2000 0 - 1 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	525 U	NR	525 U	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	525 U	NR	525 U	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	525 U	NR	525 U	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	525 U	NR	525 U	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	525 U	NR	525 U	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	525 U	NR	525 U	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	525 U	NR	525 U	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	1050 U	NR	1050 UJ	NR	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	525 U	NR	525 U	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	2100 U	NR	2100 U	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	525 U	NR	525 U	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	525 U	NR	525 U	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	525 U	NR	525 U	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1050 U	NR	1050 U	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	525 U	NR	525 U	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	525 U	NR	525 U	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	1050 U	NR	1050 U	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	525 U	NR	525 U	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	1050 U	NR	1050 U	NR	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	525 U	NR	525 U	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	525 U	NR	525 U	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	525 U	NR	525 U	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	567 U	NR	570 U	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	89.4	NR	90.3	NR	95.1	85.8
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	525 U	NR	525 U	NR	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0.5 - 1.0 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0.5 - 1.0 ft.	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.	SB-I12-9112-04 6/2/2000 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	525 U	NR	525 U	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	525 U	NR	525 U	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	525 U	NR	525 U	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	1050 U	NR	1050 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.	TP-H13-8226-06 8/3/2000 6 - 6.5 ft.	TP-H13-8226-06 8/9/2000 6 - 6.5 ft.	TP-I11-3-01 8/17/2000 3 - 3.5 ft.	TP-I12-7-05 8/9/2000 6 - 6.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	607 UJ	NR	668 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	607 UJ	NR	668 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	607 UJ	NR	668 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	607 UJ	NR	668 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	607 UJ	NR	668 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	607 UJ	NR	668 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	607 UJ	NR	668 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	1210 UJ	NR	1340 U	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	2430 UJ	NR	2670 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	6070 UJ	NR	668 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	607 UJ	NR	668 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	607 UJ	NR	668 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	607 UJ	NR	668 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	1210 UJ	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	607 UJ	NR	668 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	607 UJ	NR	668 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	1210 UJ	NR	1340 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	607 UJ	NR	668 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	1210 UJ	NR	1340 U	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	668 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	607 UJ	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	607 UJ	NR	668 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	607 UJ	NR	668 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	349 U	NR	2140 UJ	NR	1020 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	95.35	81	91.9	84.1	80.7	83.9
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	607 UJ	NR	668 U	NR

Table 5-11A

Analytical Results
AN Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.	TP-H13-8226-06 8/3/2000 6 - 6.5 ft.	TP-H13-8226-06 8/9/2000 6 - 6.5 ft.	TP-I11-3-01 8/17/2000 3 - 3.5 ft.	TP-I12-7-05 8/9/2000 6 - 6.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	607 UJ	NR	668 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	607 UJ	NR	668 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	607 UJ	NR	668 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	1210 UJ	NR	1340 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	395 U	398 U	400 U	420 U	450 U	786 UJ	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	395 U	398 U	NR	NR	NR	786 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	395 U	398 U	400 UJ	420 U	450 UJ	786 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	395 U	398 U	NR	NR	NR	786 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	395 U	398 U	NR	NR	NR	786 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	797 U	800 U	190 J	900 U	1570 U	740 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	395 U	398 U	400 U	420 U	450 U	**3783 J**	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	395 U	398 U	NR	NR	NR	786 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	797 U	NR	NR	NR	1570 U	740 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	797 U	800 U	830 U	900 U	1570 U	740 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	395 U	398 U	400 U	420 U	450 U	786 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	395 U	398 U	400 U	420 U	450 U	786 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 U	797 U	NR	NR	NR	1570 UJ	740 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	395 U	398 U	42.08 J	116 J	450 U	786 U	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	395 U	398 U	51.03 J	17.61 J	450 U	589 J	27 J
ANTHRACENE	UG/KG	100000	10000000	10000000	79.4 J	398 U	81.91 J	422	450 U	803	34 J
BENZIDINE	UG/KG	NA	NA	NA	395 UJ	398 U	400 U	420 U	450 U	786 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	290 J	86.8 J	537	**1550**	53.07 J	**6290**	140 J
BENZO(a)PYRENE	UG/KG	100000	660	660	260 J	78.1 J	554	**1250 J**	98.55 J	**4620**	140 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	382 J	94.8 J	**966**	**1610 J**	196 J	**7840**	210 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	177 J	398 U	252 J	543 J	450 U	1840	110 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	395 U	398 U	264 J	**927 J**	450 U	**3000**	91 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	310 J	164 J	400 U	420 U	450 U	786 U	95 J
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	395 U	398 U	400 U	420 U	450 U	786 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	400 U	420 U	450 U	NR	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	395 U	29.5 U	39.84 J	31.44 J	22.36 J	786 UJ	26 J
CHRYSENE	UG/KG	500000	9000	40000	269 J	105 J	666	1380	119 J	6010	190 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	395 U	398 U	41.63 J	420 U	46.24 J	12400 J	41 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	395 U	398 U	400 U	420 UJ	450 U	786 U	370 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	395 U	398 U	400 U	420 UJ	450 U	**728 J**	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	61 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	550	148 J	1270	2040	151 J	7470	290 J
FLUORENE	UG/KG	100000	2300000	10000000	395 U	398 U	84.6 J	107 J	450 U	786 U	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	395 U	398 U	400 U	420 UJ	450 U	786 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	395 U	398 U	400 UJ	420 UJ	450 UJ	786 UJ	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	140 J	398 U	254 J	559 J	450 U	**2050**	110 J
ISOPHORONE	UG/KG	50000	1100000	10000000	395 U	398 U	400 UJ	420 UJ	450 UJ	786 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	395 U	398 UJ	400 UJ	420 UJ	450 UJ	786 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	395 U	398 U	400 UJ	420 UJ	450 UJ	786 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	395 U	398 U	400 U	171 J	450 U	653 J	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	395 U	398 U	NR	NR	NR	116 J	30 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	797 U	800 U	830 U	900 U	1570 U	740 U
PHENANTHRENE	UG/KG	NA	NA	NA	305 J	177 J	915	1550	108 J	825	160 J
PHENOL	UG/KG	50000	10000000	10000000	395 U	398 U	400 U	420 U	450 U	786 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	502	253 J	1570	2820	139 J	6060	350 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	369 U	NR	NR	NR	377 U	394 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	369 U	420 UJ	400 U	400 U	377 U	394 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	369 U	NR	NR	NR	377 U	394 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	369 U	NR	NR	NR	377 U	394 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	870 U	738 U	830 U	790 U	790 U	753 U	788 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	369 U	420 U	400 U	400 U	**165 J**	**110 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	369 U	NR	NR	NR	377 U	394 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	870 U	738 U	NR	NR	NR	753 U	788 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	870 U	738 U	830 U	790 U	790 U	753 U	788 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	369 U	420 U	400 U	400 U	377 U	394 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	369 U	420 U	400 U	400 U	377 U	394 U
4-NITROPHENOL	UG/KG	NA	NA	NA	870 U	738 U	NR	NR	NR	753 U	788 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	369 U	26.13 J	176 J	21.64 J	377 U	394 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	369 U	149 J	121 J	23.24 J	377 U	394 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	369 U	164 J	317 J	51.29 J	377 U	82.8 J
BENZIDINE	UG/KG	NA	NA	NA	430 U	369 U	420 U	400 U	400 U	377 UJ	394 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	47 J	88.9 J	**1740**	**1770**	283 J	169 J	350 J
BENZO(a)PYRENE	UG/KG	100000	660	660	40 J	85.2 J	**2380**	**1970**	266 J	147 J	339 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	70 J	121 J	**3390**	**3160**	477	292 J	827
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	369 U	1010	933	109 J	94.9 J	300 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	369 U	**1190**	**1080**	149 J	129 J	282 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	369 U	420 U	400 U	400 U	377 U	394 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	430 U	NR	420 U	400 U	400 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	21 J	20.3 U	48.52 J	60.42 J	58.5 J	377 U	31.1 U
CHRYSENE	UG/KG	500000	9000	40000	90 J	122 J	1550	1960	343 J	220 J	498
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	369 U	420 U	400 U	400 U	632	258 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	369 U	420 UJ	400 UJ	400 U	377 U	394 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	369 U	420 U	400 U	400 U	377 U	105 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	82 J	202 J	1790	3170	652	222 J	577
FLUORENE	UG/KG	100000	2300000	10000000	430 U	369 U	50.59 J	370 J	32.06 J	377 U	394 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	369 U	420 UJ	400 UJ	400 UJ	377 U	394 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	369 U	**1000**	**963**	108 J	91.9 J	290 J
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	369 U	420 UJ	400 U	400 U	377 U	394 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	369 UJ	420 UJ	400 UJ	400 UJ	377 U	394 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	369 U	420 UJ	400 UJ	400 UJ	377 U	394 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	369 U	420 U	400 U	400 U	377 U	38.2 J
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	369 U	NR	NR	NR	377 U	394 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	870 U	738 U	830 U	790 U	790 U	753 U	788 U
PHENANTHRENE	UG/KG	NA	NA	NA	95 J	118 J	407	2560	432 J	65.5 J	214 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	369 U	420 U	400 U	400 U	377 U	394 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	204 J	2650	4830 J	691	159 J	592

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.	SB-I12-1-04 6/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	787 U	725 U	748 U	743 U	855 U	825 U	872 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	393 U	363 U	374 U	**662 J**	428 U	413 U	436 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
2-NITROPHENOL	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	787 U	725 U	748 U	743 U	855 U	825 U	872 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	787 U	725 U	748 U	743 U	855 U	825 U	872 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
4-NITROPHENOL	UG/KG	NA	NA	NA	787 U	725 U	748 U	743 U	855 U	825 U	872 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	393 U	363 U	58.3 J	190 J	428 U	413 U	436 U
ANTHRACENE	UG/KG	100000	10000000	10000000	393 U	363 U	67.3 J	172 J	428 U	413 U	436 U
BENZIDINE	UG/KG	NA	NA	NA	393 UJ	363 U	374 UJ	372 UJ	428 UJ	413 U	436 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	60.2 J	81.6 J	341 J	**980**	328 J	67.7 J	122 J
BENZO(a)PYRENE	UG/KG	100000	660	660	47.2 J	65.6 J	311 J	**792**	402 J	66.9 J	122 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	80.6 J	115 J	638	**2400**	848	110 J	280 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	393 U	363 U	259 J	475	249 J	413 U	436 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	393 U	363 U	244 J	469	370 J	413 U	436 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	393 U	25.8 U	374 U	372 U	428 U	46.6 U	436 U
CHRYSENE	UG/KG	500000	9000	40000	393 U	125 J	433	1380	468	94.9 J	226 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	44.4 J	139 U	233 J	81 J	428 U	413 U	101 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.	SB-I12-1-04 6/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	393 U	363 U	89 J	178 J	428 U	413 U	436 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	81 J	212 J	622	1290	355 J	156 J	338 J
FLUORENE	UG/KG	100000	2300000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	393 U	363 U	236 J	490	243 J	413 U	436 U
ISOPHORONE	UG/KG	50000	1100000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	393 U	363 UJ	374 U	372 U	428 U	413 UJ	436 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	393 U	363 U	374 U	372 U	428 U	413 U	436 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	393 U	54.4 J	374 U	372 U	428 U	413 U	436 U
NAPHTHALENE	UG/KG	100000	230000	4200000	393 U	363 U	374 U	423	428 U	413 U	436 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	787 U	725 U	748 U	743 U	855 U	825 U	872 U
PHENANTHRENE	UG/KG	NA	NA	NA	393 U	116 J	196 J	446	94.5 J	94.9 J	151 J
PHENOL	UG/KG	50000	10000000	10000000	393 U	363 U	374 U	372 U	428 U	413 U	436 U
PYRENE	UG/KG	100000	1700000	10000000	393 U	221 J	770	1230	449	185 J	250 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.	SB-I12-11-11 5/31/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	1870 UJ	401 UJ	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1870 UJ	401 U	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 UJ	380 UJ	355 U	380 UJ
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	3730 U	803 U	688 U	717 U	750 U	760 U	709 U	760 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	1870 U	401 U	344 U	**240 J**	370 U	380 U	355 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	1870 UJ	401 U	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	3730 U	803 U	688 UJ	717 U	750 UJ	760 UJ	709 UJ	760 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	3730 U	803 U	688 U	717 U	750 U	760 U	709 U	760 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	1870 U	401 U	344 U	358 U	430 U	380 U	355 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	3730 UJ	803 U	688 UJ	717 UJ	750 U	760 U	709 UJ	760 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	1870 UJ	401 U	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	1870 U	56.2 J	344 U	358 U	20 J	16 J	355 U	30 J
ANTHRACENE	UG/KG	100000	10000000	10000000	1870 U	51.8 J	344 U	358 U	370 U	380 U	355 U	38 J
BENZIDINE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 UJ	380 UJ	355 U	380 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**940 JD**	408	54.7 J	183 J	140 J	160 J	116 J	260 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**808 JD**	393 J	45.1 J	142 J	110 J	150 J	108 J	300 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1440 JD**	659	86.7 J	309 J	240 J	220 J	220 J	490
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	582 JD	289 J	344 U	126 J	370 U	180 J	106 J	120 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	524 JD	278 J	344 U	109 J	370 U	380 U	78.7 J	170 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	1870 U	401 U	344 U	358 U	370 UJ	380 U	355 U	380 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1870 U	401 UJ	344 U	38 J	370 U	44 J	27.7 J	380 U
CHRYSENE	UG/KG	500000	9000	40000	1140 JD	469	62.3 J	214 J	170 J	400	155 J	340 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	152 J	380 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.	SB-I12-11-11 5/31/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	1870 U	91.9 J	344 U	358 U	370 U	380 U	355 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1620 JD	551	86 J	252 J	230 J	130 J	194 J	380 U
FLUORENE	UG/KG	100000	2300000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	1870 U	401 U	344 U	358 U	370 UJ	380 UJ	355 U	380 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	1870 UJ	401 U	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	560 JD	277 J	344 U	121 J	81 J	110 J	98.9 J	130 J
ISOPHORONE	UG/KG	50000	1100000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	1870 UJ	401 U	344 UJ	358 UJ	370 U	380 U	355 UJ	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	3730 U	803 U	688 U	717 U	750 U	760 U	709 U	760 U
PHENANTHRENE	UG/KG	NA	NA	NA	817 JD	210 J	344 U	55.6 J	49 J	36 J	72.7 J	61 J
PHENOL	UG/KG	50000	10000000	10000000	1870 U	401 U	344 U	358 U	370 U	380 U	355 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	1450 J	434	72.3 J	256 J	130 J	99 J	152 J	130 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-12-01 6/2/2000 0 - 1 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.	SB-I12-15-04 5/31/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	353 U	378 U	370 UJ	390 U	390 U	387 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	380 UJ	353 U	378 U	370 U	390 UJ	390 UJ	387 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	760 U	706 U	756 U	739 U	780 U	780 U	774 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	760 UJ	706 U	756 U	739 U	780 UJ	780 UJ	774 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	760 U	706 U	756 U	739 U	780 U	780 U	774 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
4-NITROPHENOL	UG/KG	NA	NA	NA	760 U	706 U	756 U	739 UJ	NR	780 U	774 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	38 J	353 U	378 U	370 U	44 J	40 J	773
ANTHRACENE	UG/KG	100000	10000000	10000000	33 J	353 U	378 U	370 U	48 J	83 J	1180
BENZIDINE	UG/KG	NA	NA	NA	380 UJ	353 U	378 U	370 U	390 UJ	390 UJ	387 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	230 J	46.6 J	82 J	69.5 J	330 J	370 J	**6340**
BENZO(a)PYRENE	UG/KG	100000	660	660	210 J	353 U	66.9 J	56.9 J	220 J	190 J	**4110**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	470	60.4 J	133 J	153 J	580	670	**5370**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	160 J	353 U	378 U	370 U	150 J	140 J	1880
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	96 J	353 U	378 U	370 U	200 J	180 J	**2220**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	353 U	378 U	370 U	390 UJ	390 UJ	387 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	35 J	282 J	378 U	370 U	74	56	387 U
CHRYSENE	UG/KG	500000	9000	40000	270 J	353 U	93 J	112 J	450	600	5060
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	34 J	353 U	378 U	120 J	140 J	41 J	125 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-12-01 6/2/2000 0 - 1 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.	SB-I12-15-04 5/31/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	353 U	378 U	370 U	390 U	390 U	649
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	300 J	353 U	103 J	106 J	390	780	9470
FLUORENE	UG/KG	100000	2300000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	92.5 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 UJ	353 U	378 U	370 U	390 UJ	390 UJ	387 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	150 J	353 U	378 U	370 U	150 J	150 J	**2050**
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	353 U	378 U	370 U	390 U	390 U	387 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	353 U	378 U	370 U	390 U	390 U	387 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
NAPHTHALENE	UG/KG	100000	230000	4200000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	760 U	706 U	756 U	739 U	780 U	780 U	774 U
PHENANTHRENE	UG/KG	NA	NA	NA	49 J	353 U	378 U	32.2 J	72 J	88 J	1920
PHENOL	UG/KG	50000	10000000	10000000	380 U	353 U	378 U	370 U	390 U	390 U	387 U
PYRENE	UG/KG	100000	1700000	10000000	210 J	353 U	83.1 J	370 U	290 J	550	5580

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	360 UJ	358 UJ	362 U	352 UJ	370 U	355 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	360 U	358 UJ	362 U	352 UJ	370 U	355 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 UJ	355 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	360 U	358 U	362 U	352 U	370 U	355 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	360 U	358 U	362 U	352 U	370 U	355 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	719 U	716 U	723 U	705 U	730 U	710 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	360 U	358 U	362 U	352 U	370 U	355 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	360 U	358 UJ	362 U	352 UJ	370 U	355 U
2-NITROPHENOL	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	719 U	716 UJ	723 U	705 UJ	730 UJ	710 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	719 U	716 U	723 U	705 U	730 U	710 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
4-NITROPHENOL	UG/KG	NA	NA	NA	719 UJ	716 UJ	723 U	705 UJ	730 U	710 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	360 U	358 UJ	362 U	352 UJ	370 U	355 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	55.4 J	358 U	362 U	352 U	70 J	355 U
ANTHRACENE	UG/KG	100000	10000000	10000000	360 U	358 U	362 U	80 J	45 J	355 U
BENZIDINE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 UJ	355 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	119 J	358 U	47 J	340 J	200 J	74.5 J
BENZO(a)PYRENE	UG/KG	100000	660	660	304 J	358 U	362 U	172 J	510	83.8 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	355 J	358 U	83.2 J	555	600	102 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	207 J	358 U	362 U	113 J	370	355 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	153 J	358 U	362 U	185 J	190 J	355 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	360 U	358 U	362 U	352 U	370 U	355 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	58.7 J	362 U	21.2 J	350 J	355 U
CHRYSENE	UG/KG	500000	9000	40000	128 J	358 U	67.3 J	481	310 J	79.1 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	159 J	268 J	362 U	352 U	220 J	355 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	360 U	358 U	362 U	352 U	370 U	355 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	162 J	358 U	362 U	684	330 J	165 J
FLUORENE	UG/KG	100000	2300000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	360 U	358 U	362 U	352 U	370 UJ	355 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	360 U	358 U	362 U	352 U	370 U	355 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	360 U	358 UJ	362 U	352 UJ	370 U	355 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	360 U	358 U	362 U	352 U	370 U	355 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	205 J	358 U	362 U	115 J	340 J	355 U
ISOPHORONE	UG/KG	50000	1100000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	360 U	358 UJ	362 U	352 UJ	370 U	355 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	360 U	358 U	362 U	352 U	370 U	355 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	159 J	477	362 U	352 U	120 J	355 U
NAPHTHALENE	UG/KG	100000	230000	4200000	360 U	358 U	362 U	352 U	370 U	355 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	719 U	716 U	723 U	705 U	730 U	710 U
PHENANTHRENE	UG/KG	NA	NA	NA	34.2 J	358 U	362 U	55.3 J	71 J	71.3 J
PHENOL	UG/KG	50000	10000000	10000000	360 U	358 U	362 U	352 U	370 U	355 U
PYRENE	UG/KG	100000	1700000	10000000	151 J	358 UJ	362 U	552 J	340 J	138 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	351 U	355 U	389 U	390 U	351 UJ	381 UJ	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	351 U	355 U	389 U	390 U	351 UJ	381 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 UJ	351 U	381 U	360 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	703 U	709 U	777 U	770 U	703 U	762 U	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	351 U	**798.8 J**	389 U	390 U	351 U	**104 J**	**82.5 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	351 U	355 U	389 U	390 U	351 UJ	381 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	703 U	709 U	777 U	770 UJ	703 U	762 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	703 U	709 U	777 U	770 U	703 U	762 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	703 U	709 U	777 U	770 U	703 UJ	762 UJ	720 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	351 U	355 U	389 U	26 J	49.5 J	381 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	351 U	107 J	70.8 J	31 J	351 U	381 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	351 U	94.3 J	98.7 J	42 J	55.5 J	381 U	360 U
BENZIDINE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 UJ	351 U	381 U	360 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	138 J	287 J	212 J	240 J	268 J	109 J	120 J
BENZO(a)PYRENE	UG/KG	100000	660	660	110 J	263 J	199 J	250 J	288 J	84.6 J	91.8 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	186 J	388	454	440	529	151 J	172 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	90.7 J	202 J	199 J	200 J	285 J	89.2 J	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	108 J	136 J	163 J	140 J	201 J	381 U	83.6 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	351 U	450 J	1260 J	31 J	351 U	381 U	360 U
CHRYSENE	UG/KG	500000	9000	40000	186 J	358	433	360 J	442	192 J	153 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	101 J	517	1050	390 U	351 U	50.7 J	254 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	351 U	355 U	389 U	390 U	351 U	381 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	290 J	776	391	680	912	218 J	209 J
FLUORENE	UG/KG	100000	2300000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	351 U	355 U	389 U	390 UJ	351 U	381 U	360 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	351 U	355 U	389 U	390 U	351 UJ	381 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	84.7 J	177 J	191 J	170 J	254 J	381 U	69.5 J
ISOPHORONE	UG/KG	50000	1100000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	351 U	355 U	389 U	390 U	351 UJ	381 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	351 U	355 U	389 U	390 U	351 U	381 U	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	351 U	122 J	90.6 J	390 U	351 U	381 U	360 U
NAPHTHALENE	UG/KG	100000	230000	4200000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	703 U	709 U	777 U	770 U	703 U	762 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	147 J	350 J	94.5 J	370 J	520	125 J	70.2 J
PHENOL	UG/KG	50000	10000000	10000000	351 U	355 U	389 U	390 U	351 U	381 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	250 J	656	342 J	420	753 J	175 J	203 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-7-04 5/26/2000 0 - 1.5 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-04 6/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 UJ	NR	359 UJ	378 U	386 U	NR	345 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	NR	359 U	378 U	386 U	NR	345 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	NR	359 U	378 U	NR	601 U	345 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 UJ	NR	359 UJ	378 U	386 U	NR	345 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	359 U	378 U	386 U	NR	345 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 UJ	250 U	718 U	756 U	773 U	NR	690 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 UJ	NR	359 U	378 U	386 U	NR	345 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 UJ	NR	359 UJ	378 U	386 U	NR	345 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	359 U	378 U	386 U	NR	345 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	NR	718 UJ	756 U	773 U	NR	690 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 UJ	NR	718 U	756 U	773 U	NR	690 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	NR	718 UJ	756 U	773 U	NR	690 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 UJ	NR	359 UJ	378 U	386 U	NR	42.4 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	20.7 J	NR	359 U	378 U	386 U	NR	345 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	98.3 J
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	137 J	NR	46.7 J	103 J	69.6 J	NR	117 J
BENZO(a)PYRENE	UG/KG	100000	660	660	160 J	NR	359 U	96 J	51.8 J	NR	70.4 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	376 J	NR	359 U	182 J	102 J	NR	92.8 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 UJ	NR	359 U	76.3 J	386 U	NR	345 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 UJ	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	60.06 J	NR	359 U	378 U	34.8 U	NR	1190 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	NR	65 J	136 J	67.6 J	NR	97 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	43.83 J	NR	359 U	56.7 J	279 U	NR	11000
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-7-04 5/26/2000 0 - 1.5 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-04 6/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 UJ	NR	359 U	378 U	386 U	NR	345 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	205 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	325 J	NR	91.6 J	195 J	87 J	NR	277 J
FLUORENE	UG/KG	100000	2300000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	61.4 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 UJ	NR	359 UJ	378 U	386 U	NR	345 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	76.7 J	NR	359 U	71.4 J	386 U	NR	345 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 UJ	NR	359 UJ	378 U	386 UJ	NR	345 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 UJ	NR	359 U	378 U	386 U	NR	345 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 UJ	NR	359 U	378 U	64.9 J	NR	1190
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	NR	359 U	378 U	386 U	NR	345 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 UJ	NR	718 U	756 U	773 U	NR	690 U
PHENANTHRENE	UG/KG	NA	NA	NA	118 J	NR	359 U	52.2 J	386 U	NR	342 J
PHENOL	UG/KG	50000	10000000	10000000	410 UJ	NR	359 U	378 U	386 U	NR	345 U
PYRENE	UG/KG	100000	1700000	10000000	343 J	NR	83.3 J	168 J	105 J	NR	185 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.	SB-I12-9112-04 6/2/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	390 U	373 U	369 U	350 UJ	388 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	390 U	373 U	369 U	350 UJ	388 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	390 UJ	390 UJ	373 U	369 U	350 U	388 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	390 U	373 U	369 U	350 U	388 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	390 U	373 U	369 U	350 U	388 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	780 U	745 U	738 U	700 U	775 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	390 U	373 U	369 U	350 U	388 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	390 U	373 U	369 U	350 UJ	388 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 UJ	780 UJ	745 U	738 U	700 U	775 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	780 U	745 U	738 U	700 U	775 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	780 U	745 U	738 U	700 UJ	775 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	390 U	373 U	73.1 J	350 UJ	388 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	140 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	390 U	373 U	259 J	350 U	164 J
BENZIDINE	UG/KG	NA	NA	NA	390 UJ	390 UJ	373 UJ	369 U	350 U	388 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	74 J	85 J	132 J	**1130**	192 J	604
BENZO(a)PYRENE	UG/KG	100000	660	660	64 J	140 J	135 J	**948**	159 J	502
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	180 J	240 J	190 J	**1200**	413	853
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	87 J	95.8 J	535	144 J	363 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	390 U	60.8 J	467	114 J	348 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	60 J	165 J	350 U	388 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	390 U	373 U	369 U	350 U	388 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	35 J	24 J	1240 U	5620 J	30.5 J	388 UJ
CHRYSENE	UG/KG	500000	9000	40000	130 J	210 J	138 J	980	298 J	786
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	390 U	175 U	293 J	350 U	70.2 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	390 U	373 U	369 U	350 U	388 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.	SB-I12-9112-04 6/2/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	390 U	373 U	187 J	350 U	110 J
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	150 J	570	204 J	1980	315 J	1390
FLUORENE	UG/KG	100000	2300000	10000000	390 U	390 U	373 U	71.6 J	350 U	388 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	780 UJ	373 U	369 U	350 U	388 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	390 U	373 UJ	369 U	350 U	388 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	390 U	373 U	369 U	350 UJ	388 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	390 U	373 U	369 U	350 U	388 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	80 J	87.2 J	515	138 J	353 J
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	390 U	373 UJ	369 U	350 UJ	388 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	390 U	373 U	369 U	350 U	388 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	390 U	27.6 J	751	350 U	388 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	28 J	373 U	369 U	350 U	388 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	780 U	745 U	738 U	700 U	775 U
PHENANTHRENE	UG/KG	NA	NA	NA	58 J	430	71.2 J	1060	70.8 J	638
PHENOL	UG/KG	50000	10000000	10000000	390 U	390 U	373 U	369 U	350 U	388 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	440	201 J	1520	256 J	894

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.	TP-H13-8226-06 8/3/2000 6 - 8 ft.	TP-H13-8226-06 8/9/2000 6 - 8 ft.	TP-I11-3-01 8/17/2000 3 - 5.0 ft.	TP-I12-7-05 8/9/2000 6 - 8.0 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	349 U	412 U	363 U	396 U	413 U	402 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 UJ	413 U	402 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	412 U	363 U	396 U	NR	402 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	349 U	412 U	363 U	396 U	413 U	402 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	349 U	412 U	363 U	396 U	413 U	402 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	698 U	823 U	726 UJ	793 U	825 UJ	804 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	349 U	412 U	363 U	396 U	413 U	402 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	349 U	412 U	363 U	396 U	413 U	402 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	412 U	363 U	396 U	NR	402 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	698 U	823 UJ	726 U	793 U	825 U	804 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	698 U	823 U	726 UJ	793 U	825 U	804 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	823 U	726 U	793 UJ	NR	804 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
ANTHRACENE	UG/KG	100000	10000000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
BENZIDINE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 UJ	413 U	402 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	33.53 J	412 U	363 U	396 U	147 J	90.8 J
BENZO(a)PYRENE	UG/KG	100000	660	660	35.62 J	412 U	363 U	396 U	164 J	128 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	349 U	412 U	363 U	396 U	283 J	272 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	88.8 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	349 U	412 U	363 U	396 U	101 J	103 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	349 U	412 UJ	363 U	396 U	413 U	402 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	349 U	NR	NR	NR	413 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	37.37 J	26.3 J	363 U	396 U	413 U	45 J
CHRYSENE	UG/KG	500000	9000	40000	49.59 J	412 U	363 U	396 U	193 J	133 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	45.75 J	51.9 J	363 U	396 U	59 J	402 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U

Table 5-11B

Analytical Results
AN Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.	TP-H13-8226-06 8/3/2000 6 - 8 ft.	TP-H13-8226-06 8/9/2000 6 - 8 ft.	TP-I11-3-01 8/17/2000 3 - 5.0 ft.	TP-I12-7-05 8/9/2000 6 - 8.0 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	349 U	412 U	363 U	396 U	413 U	402 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	113 J	412 U	363 U	396 U	243 J	108 J
FLUORENE	UG/KG	100000	2300000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	349 U	412 U	363 U	396 UJ	NR	402 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	349 U	412 U	363 U	396 U	413 U	402 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	349 U	412 UJ	363 UJ	396 U	413 U	402 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	349 U	412 U	363 U	396 UJ	413 U	402 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	349 U	412 U	363 U	396 U	65.6 J	89.6 J
ISOPHORONE	UG/KG	50000	1100000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	349 U	412 U	363 U	396 UJ	31.4 J	402 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	413 U	402 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	349 U	412 U	363 U	396 U	NR	402 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	412 U	363 U	396 U	413 U	402 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	698 U	823 U	726 U	793 U	825 U	804 U
PHENANTHRENE	UG/KG	NA	NA	NA	349 U	412 U	363 U	396 U	115 J	402 U
PHENOL	UG/KG	50000	10000000	10000000	349 U	412 U	363 U	396 U	413 U	402 U
PYRENE	UG/KG	100000	1700000	10000000	349 U	412 U	363 U	396 U	317 J	95.2 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	250 U	250 U	250 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	250 U	250 U	250 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	250 U	250 U	267 R	**641**	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	250 U	250 U	250 U	166000 E	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	250 U	250 U	250 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	500 U	500 U	500 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	250 U	250 U	250 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	250 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	500 U	500 U	500 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	395 U	398 U	250 U	250 U	140 J	185 J	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	470 J	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	NR	34.3	43	33.9	32	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	NR	3.64	2.12	0.705	2.07	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	9020	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	500 U	500 U	500 U	470 J	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	500 U	500 U	500 U	500 R	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	420 U	400 U	400 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	420 U	400 U	400 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	830 U	790 U	790 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	830 U	790 U	790 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	430 U	369 U	420 UJ	400 UJ	400 UJ	377 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	37
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	1.42
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	NR	NR	250 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	NR	NR	250 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	NR	NR	250 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	NR	NR	**1030 J**	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	NR	NR	250 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	500 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	NR	NR	500 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	NR	NR	250 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	250 U	NR	NR	250 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	NR	NR	500 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	394 U	250 U	363 U	374 U	239 R	428 U	413 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	292	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	16.6
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	1.77
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	5850	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	NR	NR	500 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	NR	NR	500 U	NR	NR

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-1-04 6/2/2000 0 - 1 ft.	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	436 U	1870 U	401 U	344 U	358 U	370 U	380 U	355 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	27.4	9.24	33.6	NR	NR	NR	NR	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	4.08	0.235	2	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-11 5/31/2000 0 - 1 ft.	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-12-01 6/2/2000 0 - 1 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.	SB-I12-15-04 5/31/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	380 U	353 U	378 U	370 U	390 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	NR	NR	30.6	NR	26.4	25.3
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	NR	NR	0.246	NR	0.563	8.39
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	387 U	360 U	358 U	362 U	352 U	370 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	54.6	32.7	7.07 U	NR	NR	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	0.232 U	3.45	0.23	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	355 U	351 U	355 U	389 U	390 U	351 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	23.8	37.3	28.5	NR	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	1.62	1.88	2.78	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-7-04 5/26/2000 0 - 1.5 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	410 UJ	250 U	NR	NR	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	NR	NR	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	NR	NR	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	NR	NR	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	NR	NR	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	410 UJ	500 U	NR	NR	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	810 UJ	500 U	NR	NR	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	NR	NR	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	810 UJ	500 U	NR	NR	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	NR	NR	476 U
NITROBENZENE	UG/KG	10000	39000	510000	381 U	360 U	410 UJ	408 J	359 U	378 U	238 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	522	NR	NR	58.2
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	45.4	34.3	27.6	NR	NR	NR	6.37 U
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	2.97	0.216 U	3.81	NR	NR	NR	0.228 U
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	2720 J	NR	NR	5390 UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	NR	NR	476 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	NR	NR	476 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-8581-04 6/2/2000 0 - 1 ft.	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	238 U	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	238 U	390 U	390 U	373 U	369 U	350 U
NITROCELLULOSE	MG/KG	NA	NA	NA	177 J	NR	NR	NR	NR	NR
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	40.7	NR	NR	NR	NR	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	4.51	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	21100	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	476 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11C

Analytical Results
AN Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9112-04 6/2/2000 0 - 1 ft.	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.	TP-H13-8226-06 8/3/2000 6 - 8 ft.	TP-H13-8226-06 8/9/2000 6 - 8 ft.	TP-I11-3-01 8/17/2000 3 - 5 ft.	TP-I12-7-05 8/9/2000 6 - 8 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	217 U	238 U	200 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	217 U	238 U	200 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	217 U	238 U	41 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	217 U	238 U	200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	217 U	238 U	200 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	349 U	NR	NR	435 U	476 U	400 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	435 U	476 U	400 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	217 U	238 U	200 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	698 U	NR	NR	435 U	476 U	400 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	435 U	476 U	400 U
NITROBENZENE	UG/KG	10000	39000	510000	388 U	349 U	412 U	363 U	217 U	238 U	200 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	39.8 UJ	42.6 U	34 J
NITROGEN, AMMONIA (AS N)	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGEN, NITRATE-NITRITE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	5060 U	4010 J	5130 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	435 U	476 U	400 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	435 U	476 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-11D

Analytical Results
AN Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-2-01 5/25/2000 0 - 1 ft.	SB-H13-2-02 5/25/2000 0 - 1 ft.	SB-H13-2-03 5/25/2000 0 - 1 ft.	SB-H13-3-01 5/25/2000 0 - 1.5 ft.	SB-H13-3-02 5/25/2000 0 - 1 ft.	SB-H13-3-03 5/25/2000 0 - 1.5 ft.	SB-I12-8-01 6/1/2000 0 - 1 ft.	SB-I12-9-01 6/1/2000 0 - 1 ft.
Polychlorinated Biphenyls												
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	20 U	22 U	23 U	20 U	20 U	24 U	18.1 U	18.7 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	20 U	22 U	23 U	20 U	20 U	24 U	18.1 U	18.7 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	20 U	22 U	23 U	20 U	20 U	24 U	18.1 U	18.7 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	20 U	22 U	23 U	20 U	20 U	24 U	18.1 U	18.7 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	20 U	22 U	23 U	20 U	20 U	24 U	18.1 U	18.7 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	62	22 U	23 U	20 U	20 U	24 U	65.6	132
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	39 U	42 U	45 U	38 U	40 U	47 U	36.3 U	37.5 U
TOTAL PCBS	UG/KG	50000	490	2000	62	42 U	45 U	38 U	40 U	47 U	65.6	132

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G13-1-03 6/1/2000 0 - 2 ft.	SB-G13-1-04 9/13/2000 0 - 1 ft.	SB-H12-1-02 5/25/2000 0 - 1 ft.	SB-H12-1-06 5/25/2000 0 - 1 ft.	SB-H12-1-07 5/25/2000 0 - 2 ft.	SB-H12-120-02 9/12/2000 0 - 1 ft.	SB-H12-120-03 5/25/2000 0 - 1 ft.	SB-H13-2014-01 6/2/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.704 U	0.71 U	0.798 U	2.88	0.705	0.641 U	0.657 U	3.57 J
ARSENIC	MG/KG	NA	20	20	4.55	9.54	6.12	9.23	14.9	5.83	6.75	**199**
BERYLLIUM	MG/KG	NA	2	2	0.443	0.68	0.38	0.428	0.346	0.496	0.518	0.343
CADMIUM	MG/KG	NA	39	100	0.268 J	0.219 B	0.28 J	1.96	0.559	0.67 U	0.481	0.867
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	20.6	20.1	14.9	25.7	13.2	38	107	33.3
COPPER	MG/KG	NA	600	600	22	55.8	16.3	**694**	78.5	27.4 H	29	**679**
LEAD	MG/KG	NA	400	600	350	**516**	43.8	**1060**	211	67.1 H	60.6	**2630**
MERCURY	MG/KG	NA	14	270	0.148	0.478	0.275	1.02	0.464	3.48	5.04	1.69 J
NICKEL	MG/KG	NA	250	2400	9.85	7.27	6.79	24	7.77	7.13	7.9	17.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.573 J	0.63	1.37	1.5	1.19	1.28	0.764	2.45
SILVER	MG/KG	NA	110	4100	0.352 U	0.727	0.399 U	0.813	0.221 J	0.217 B	0.326 J	0.992
THALLIUM	MG/KG	NA	2	2	1.17 U	1.18 U	1.33 U	1.23 U	1.1 U	1.07 U	1.1 U	**2.49**
ZINC	MG/KG	NA	1500	1500	176	159	65.3	**2060**	103	105 H	129	1060

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-2031A-02 5/25/2000 0 - 1.25 ft.	SB-H13-6-01 5/25/2000 0 - 1 ft.	SB-H13-6-04 9/12/2000 0 - 1 ft.	SB-H13-8158-04 5/25/2000 0 - 2 ft.	SB-H13-8164-02 5/25/2000 0 - 1 ft.	SB-H13-8164-05 5/25/2000 0 - 2 ft.	SB-H13-8214-02 6/1/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.62 UN	0.72 UN	0.664 U	0.711 U	0.675 U	0.707 U	1.23
ARSENIC	MG/KG	NA	20	20	**76.5**	8.3	11.8	6.23	10.3	8.75	14.9
BERYLLIUM	MG/KG	NA	2	2	0.32	0.54	0.491	0.431	0.445	0.328	0.279
CADMIUM	MG/KG	NA	39	100	0.43	0.36 U	0.069 B	0.311 J	1.22	5.28	0.512
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.9	9.7	8.6	13.1	35.7	14.7	19.9
COPPER	MG/KG	NA	600	600	16.1	12.2	18	15.6	86.9	62.8	88.4
LEAD	MG/KG	NA	400	600	103	51.4	16.2	68.9	**5350**	350	291
MERCURY	MG/KG	NA	14	270	0.14	0.12	0.04	0.191	0.27	0.27	0.728
NICKEL	MG/KG	NA	250	2400	10.8	5	5.73	7.48	8.55	9.29	10.1
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.52 UN	1 N	0.551 B	0.895	0.916	0.683	0.992
SILVER	MG/KG	NA	110	4100	0.31 U	0.36 U	0.332 U	0.355 U	0.23 J	0.354 U	0.137 J
THALLIUM	MG/KG	NA	2	2	0.92 B	0.9 B	1.11 U	1.19 U	1.13 U	1.18 U	1.2
ZINC	MG/KG	NA	1500	1500	104 J	27.7 J	60	94.3	726	364	472

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H13-8226-01 9/12/2000 0 - 0.5 ft.	SB-H13-8226-02 6/1/2000 0 - 1.25 ft.	SB-I11-2326-01 9/12/2000 0 - 1 ft.	SB-I11-2326-04 6/1/2000 0 - 1 ft.	SB-I11-9303-02 6/1/2000 0 - 1 ft.	SB-I11-B5-04 6/1/2000 0 - 1.5 ft.	SB-I12-1-02 9/12/2000 0 - 0.5 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.53	0.544 J	0.616 U	0.661 U	1.55	0.506 J	0.899
ARSENIC	MG/KG	NA	20	20	**28.5**	14.2	6.9	17.8	**84**	**81.9**	7.83
BERYLLIUM	MG/KG	NA	2	2	0.494	0.374	0.516	0.453	0.313	0.413	0.503
CADMIUM	MG/KG	NA	39	100	0.41	0.353	0.139 B	0.168 J	0.887	0.277 J	0.251 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18	15.2	12.3	16.5	17.3	20.9	13.1
COPPER	MG/KG	NA	600	600	155	43.3	26.8	26.7	59.6	46	26.1
LEAD	MG/KG	NA	400	600	**646**	154	51.3	61.9	313	51.4	67.9
MERCURY	MG/KG	NA	14	270	1.06	0.296	0.113	0.07	0.392	0.108	0.25
NICKEL	MG/KG	NA	250	2400	10.9	8.82	8.61	10.4	12.4	10.7	8.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.729	1.4	0.382 B	0.874	1.5	1.29	0.462 B
SILVER	MG/KG	NA	110	4100	0.273 B	0.34 U	0.308 U	0.33 U	0.091 J	0.374 U	0.453
THALLIUM	MG/KG	NA	2	2	1.12 U	0.848 J	1.03 U	1.15	1.51	0.784 J	1.23 U
ZINC	MG/KG	NA	1500	1500	338	161	58.7	58.4	285	107	84.1

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-1-04 6/2/2000 0 - 1 ft.	SB-I12-10-01 9/12/2000 0 - 1.5 ft.	SB-I12-10-03 6/1/2000 0 - 2 ft.	SB-I12-11-02 9/12/2000 0 - 0.5 ft.	SB-I12-11-04 9/12/2000 0 - 0.5 ft.	SB-I12-11-06 5/31/2000 0 - 1 ft.	SB-I12-11-08 5/31/2000 0 - 1 ft.	SB-I12-11-09 9/12/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.859	10.2	0.715 UJ	0.596 U	0.645 U	0.38 U	0.98	0.804
ARSENIC	MG/KG	NA	20	20	13.2	10.2	9.19 J	3.83	7.24	3.1	4.4	4.82
BERYLLIUM	MG/KG	NA	2	2	0.308	0.244	0.257	0.093 B	0.259	0.16	0.33	0.243
CADMIUM	MG/KG	NA	39	100	0.182 J	0.707 U	0.446	0.57 U	1.63	0.14 J	1.7	0.999 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21.8	33.3	19.1	9.26	18.5	13.8	13.4	18.8
COPPER	MG/KG	NA	600	600	41.4	133 H	68	66.6 H	511 H	25.8	62.3	66.6 H
LEAD	MG/KG	NA	400	600	125	256 H	272	75.7 H	176 H	116 J	48.2 J	143 H
MERCURY	MG/KG	NA	14	270	0.349	0.957	1.37 J	0.139	0.235	0.24	0.14	0.4
NICKEL	MG/KG	NA	250	2400	12.2	11.2	7.75	6.36	12	6.3	12.3	11.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.42	1.37	1.23	0.507	1.71	0.28 U	0.3 U	1.01
SILVER	MG/KG	NA	110	4100	0.139 J	0.253 B	0.352 J	0.298 U	0.323 U	0.06 U	0.07 U	0.304 U
THALLIUM	MG/KG	NA	2	2	1.27 U	1.1 U	1.36	0.993 U	1.08 U	0.69 J	1.3	1.01 U
ZINC	MG/KG	NA	1500	1500	118	457 H	1390	129 H	650 H	112	227	314 H

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-11-11 5/31/2000 0 - 1 ft.	SB-I12-11-13 5/31/2000 0 - 0.5 ft.	SB-I12-13-03 6/2/2000 0 - 1 ft.	SB-I12-14-01 6/2/2000 0 - 1 ft.	SB-I12-15-01 5/31/2000 0 - 1 ft.	SB-I12-15-04 5/31/2000 0 - 0.5 ft.	SB-I12-2010-05 6/2/2000 0 - 1.5 ft.	SB-I12-2011-01 6/2/2000 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.42 U	0.7	0.654 UJ	6.53 UJ	0.59 J	0.4 U	1.14 J	0.623 UJ
ARSENIC	MG/KG	NA	20	20	3.3	4.9	4.76	**29.1**	**27**	17.8	4.76	6.82
BERYLLIUM	MG/KG	NA	2	2	0.12	0.24	0.168	0.154 J	0.17	0.17	0.164	0.333
CADMIUM	MG/KG	NA	39	100	0.11 J	0.43	0.327 U	3.27 U	0.11 J	0.41	0.081 J	0.738
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12	11.1	10.1	52.8	12.5	14.3	15.1	16.1
COPPER	MG/KG	NA	600	600	16.2	31.5	19.2	33.7	28.5	20.3	38.7	69
LEAD	MG/KG	NA	400	600	67.1 J	103 J	33	138	71.1 J	54.8 J	144	93.9
MERCURY	MG/KG	NA	14	270	0.15	0.55	0.105 J	0.183 J	0.14	0.1	1.31 J	0.264 J
NICKEL	MG/KG	NA	250	2400	5.25	6	4.45	57.8	5.98	6.5	7.57	11.2
pH	PH	NA	NA	NA	NR	NR	NR	5.53	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.31 U	0.29 U	0.848	5.44 U	0.29 U	0.85	1.08	0.459 J
SILVER	MG/KG	NA	110	4100	0.07 U	0.06 U	0.327 U	3.27 U	0.06 U	0.07 U	0.326 U	0.312 U
THALLIUM	MG/KG	NA	2	2	0.55 U	0.51 U	0.621 J	10.9 U	0.72 J	1.2	0.602 J	0.594 J
ZINC	MG/KG	NA	1500	1500	121	303	53.2	**5320**	77	126	104	406

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2011-04 9/12/2000 0 - 2 ft.	SB-I12-2012-02 6/2/2000 0 - 1.5 ft.	SB-I12-2012-03 9/12/2000 0 - 1 ft.	SB-I12-2013-01 5/31/2000 0 - 1 ft.	SB-I12-2184-01 6/2/2000 0 - 1.5 ft.	SB-I12-2186-03 6/1/2000 0 - 1 ft.	SB-I12-2186-06 6/1/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.521 B	0.614 U	0.31 B	9.4	0.614 U	0.62 UJ	0.632 UJ
ARSENIC	MG/KG	NA	20	20	11.6	6.25	7.39	8.8 J	**390**	10.8	**49.8**
BERYLLIUM	MG/KG	NA	2	2	0.362	0.153	0.119	0.35	0.532	0.398	0.425
CADMIUM	MG/KG	NA	39	100	1.12 U	0.319	0.226 U	6.4	0.14 J	0.501	1.03
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21.5	8.57	12.6	117	12	18.5	25.1
COPPER	MG/KG	NA	600	600	64.6 H	20.5	37.9	**1500**	15.2	46	190
LEAD	MG/KG	NA	400	600	34.9 H	24.3	90.4	**5020 J**	11.7	331	**1030**
MERCURY	MG/KG	NA	14	270	0.097	0.079	0.417	0.74	0.022 J	0.084 J	0.876 J
NICKEL	MG/KG	NA	250	2400	6.19	5.81	4.62	38.7	7.15	7.45	12.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.832	0.526	0.48 B	0.59 U	1.04	1.03	0.916
SILVER	MG/KG	NA	110	4100	0.313 U	0.307 U	0.292 U	0.46 J	0.307 U	0.31 U	0.216 J
THALLIUM	MG/KG	NA	2	2	1.04 U	1.02 U	0.972 U	**4.7**	0.881 J	1.03 U	0.745 J
ZINC	MG/KG	NA	1500	1500	179 H	52	175	**1770**	46.1	103	431

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-2186-13 6/1/2000 0 - 1 ft.	SB-I12-2287-01 5/31/2000 0 - 1 ft.	SB-I12-2287-04 9/12/2000 0 - 0.5 ft.	SB-I12-2341-03 6/2/2000 0 - 1 ft.	SB-I12-6-04 6/1/2000 0 - 1 ft.	SB-I12-7-02 5/26/2000 0 - 1.5 ft.	SB-I12-8271-01 9/12/2000 0 - 2 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	1.14 J	0.68	0.327 B	7.82 J	0.607 UJ	0.696 U	0.61 U
ARSENIC	MG/KG	NA	20	20	3.91	7.6	**59.7**	14.3	**20.8**	5.48	4
BERYLLIUM	MG/KG	NA	2	2	0.71	0.09 J	0.075 B	0.529	0.476	0.294	0.51
CADMIUM	MG/KG	NA	39	100	13.5	0.09 J	0.44 U	1.69	0.091 J	0.252 J	0.724 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	36.8	12.4	10.2	9.66	15	15.4	14.2
COPPER	MG/KG	NA	600	600	69.3	69.7	33.7 H	114	105	471	23.5 H
LEAD	MG/KG	NA	400	600	157	134 J	54.7 H	**73600**	226	**713**	31.2 H
MERCURY	MG/KG	NA	14	270	0.068 J	0.32	0.031 J	0.512 J	0.117 J	1.01	0.095
NICKEL	MG/KG	NA	250	2400	21.1	3.9	5.03	14.1	9.45	11.2	7.01
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.33	0.62	1.2	2.97	0.963	0.706	1.3
SILVER	MG/KG	NA	110	4100	0.218 J	0.06 U	0.304 U	5.56	0.304 U	0.166 J	0.305 U
THALLIUM	MG/KG	NA	2	2	1.81	0.53 U	1.01 U	**2.82**	0.655 J	1.16 U	1.02 U
ZINC	MG/KG	NA	1500	1500	704	42.2	38.5 H	429	70.1	140	91.6 H

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Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-8271-02 6/1/2000 0 - 0.5 ft.	SB-I12-8581-01 9/13/2000 0 - 2 ft.	SB-I12-8581-04 6/2/2000 0 - 1 ft.	SB-I12-9110-03 5/31/2000 0 - 1 ft.	SB-I12-9110-04 5/31/2000 0 - 1 ft.	SB-I12-9111-01 9/13/2000 0 - 1 ft.	SB-I12-9111-04 6/2/2000 0 - 1 ft.
Metals, Total											
ANTIMONY	MG/KG	NA	14	340	0.675 UJ	0.675 U	0.604 UJ	0.55 J	0.53 J	0.633 U	0.651 UJ
ARSENIC	MG/KG	NA	20	20	6.72	4.39	3.23	9.6	6.8	3.8	4.32
BERYLLIUM	MG/KG	NA	2	2	0.437	0.746	0.487	0.29	0.14	0.647	0.846
CADMIUM	MG/KG	NA	39	100	0.284 J	0.249 B	0.31	0.03 U	0.02 U	0.373	0.242 J
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.8	13.7	14.8	31.3	17.9	19.9	14
COPPER	MG/KG	NA	600	600	37.5	35.4	20.6	57.2	31.1	51.1	23.1
LEAD	MG/KG	NA	400	600	48.7	38.2	25.2	241 J	133 J	45.8	15.7
MERCURY	MG/KG	NA	14	270	0.161 J	0.162	0.053 J	0.26	0.1	0.432	0.035 J
NICKEL	MG/KG	NA	250	2400	8.71	9.11	10.2	18.2	8.1	18.9	10.3
pH	PH	NA	NA	NA	NR	NR	NR	4.99	4.79	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.19	0.563 U	0.567	0.65	0.3 U	0.528 U	0.85
SILVER	MG/KG	NA	110	4100	0.337 U	0.338 U	0.302 U	0.07 U	0.07 U	0.535	0.326 U
THALLIUM	MG/KG	NA	2	2	0.849 J	1.13 U	0.701 J	**2.3**	0.3 J	1.06 U	1.29
ZINC	MG/KG	NA	1500	1500	148	137	83.6	80	37.4	293	1150

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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-11E

Analytical Results
AN Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I12-9112-03 9/12/2000 0 - 0.5 ft.	SB-I12-9112-04 6/2/2000 0 - 1 ft.	SB-I12-9120-02 7/13/2000 0 - 0.5 ft.	SB-I12-9120-03 9/27/2000 0 - 1 ft.
Metals, Total								
ANTIMONY	MG/KG	NA	14	340	0.625 U	3.27 UJ	0.567 UJ	0.473 U
ARSENIC	MG/KG	NA	20	20	15.4	18.3	3.68	3.86
BERYLLIUM	MG/KG	NA	2	2	0.087 B	0.137 J	0.049 J	0.129 J
CADMIUM	MG/KG	NA	39	100	0.438 U	1.63 U	0.283 U	0.367 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15	52.3	25.8	13.8
COPPER	MG/KG	NA	600	600	43.9 H	67.5	13.5	15.8
LEAD	MG/KG	NA	400	600	88.8 H	345	35.7	47.7 J
MERCURY	MG/KG	NA	14	270	0.38	1.72 J	0.039	0.031 B
NICKEL	MG/KG	NA	250	2400	4.93	14.4	12.3	5.87
pH	PH	NA	NA	NA	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.833	2.95	0.527	0.439 B
SILVER	MG/KG	NA	110	4100	0.312 U	1.63 U	0.283 U	0.367 U
THALLIUM	MG/KG	NA	2	2	1.04 U	5.44 U	0.945 U	1.22 U
ZINC	MG/KG	NA	1500	1500	80.2 H	150	18.1	15.1

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
H = Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-12A

Analytical Results
Storage Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-9122-03 5/26/2000 0.5 - 1.0 ft.	SB-Q6-583-01 5/25/2000 0.5 - 1.0 ft.	SB-Q6-583-02 9/13/2000 0.5 - 1.0 ft.	SB-Q6-9311-03 7/13/2000 0 - 2 ft.
Volatile Organic Compounds								
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	540 U	563 U	590 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	540 U	563 U	590 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	540 U	563 U	590 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	540 U	563 U	590 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	540 U	563 U	590 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	540 U	563 U	590 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	540 U	563 U	590 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1126 UJ	1180 UJ	NR
ACETONITRILE	UG/KG	NA	NA	NA	NR	NR	590 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	2200 U	2252 UJ	2360 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	540 U	563 UJ	NR	NR
BENZENE	UG/KG	1000	3000	13000	**3240**	563 U	590 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	761	563 U	590 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	540 U	563 U	590 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	1126 UJ	1180 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	540 U	563 U	590 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	540 U	563 U	590 UJ	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1100 U	1126 UJ	1180 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	540 U	563 U	590 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1100 U	1126 U	1180 UJ	NR
cis-1,2-DICHLOROPROPENE	UG/KG	NA	NA	NA	540 U	563 U	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	590 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	540 U	563 U	590 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	540 U	563 U	590 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	179 JB	664 U	670 UJ	359 U
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	540 U	563 U	590 UJ	NR

Table 5-12A

Analytical Results
Storage Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-9122-03 5/26/2000 0.5 - 1.0 ft.	SB-Q6-583-01 5/25/2000 0.5 - 1.0 ft.	SB-Q6-583-02 9/13/2000 0.5 - 1.0 ft.	SB-Q6-9311-03 7/13/2000 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	540 U	563 U	590 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	540 U	563 U	590 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	540 U	563 U	590 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 U	1126 U	1180 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8278-03 5/4/2000 0 - 1.5 ft.	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-I11-9301-05 5/9/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	396 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	792 U	750 U	810 U	4100 U	4100 U	8100 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	**88.7 J**	**84 J**	**46 J**	2000 U	2100 U	4100 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	792 U	750 U	810 UJ	4100 UJ	4100 UJ	8100 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	792 U	750 U	810 U	4100 U	4100 U	8100 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	396 UJ	370 U	410 U	2000 U	2100 U	4100 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	792 UJ	750 U	810 U	4100 U	4100 U	8100 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	396 U	370 U	24 J	350 JD	270 JD	410 JD
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	396 U	54 J	190 J	1600 JD	920 JD	1600 JD
ANTHRACENE	UG/KG	100000	10000000	10000000	26 J	102 J	110 J	160 J	2600 D	2300 D	2100 JD
BENZIDINE	UG/KG	NA	NA	NA	400 UJ	396 U	370 U	410 U	2000 U	2100 U	4100 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	270 J	527	540	**950**	**12000 D**	**14000 D**	**9100 D**
BENZO(a)PYRENE	UG/KG	100000	660	660	380 J	555	440	**750**	**9100 D**	**13000 D**	**7400 D**
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**1200**	**1220**	810	**2300**	**22000 D**	**32000 D**	**20000 D**
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	1100	464	340 J	590 J	5300 J	9100 J	4700 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	380 J	266 J	310 J	630	**6900 D**	**11000 D**	**7100 D**
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	NR	370 U	410 U	2000 U	2100 U	4100 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	55 J	43.2 J	47 J	410 UJ	430 UJ	2100 UJ	4100 UJ
CHRYSENE	UG/KG	500000	9000	40000	330 J	608	670	1700	**14000 D**	**18000 D**	**15000 D**
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410	196 J	220 J	37 J	300 JD	280 JD	4100 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	396 U	370 U	410 UJ	2000 UJ	2100 UJ	4100 UJ

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8278-03 5/4/2000 0 - 1.5 ft.	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-I11-9301-05 5/9/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	210 J	132 J	110 J	190 J	**1900 JD**	**3900 D**	**1500 JD**
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	396 U	250 J	410 U	2000 U	2100 U	4100 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460	887	850	1800	17000 D	9600 D	20000 D
FLUORENE	UG/KG	100000	2300000	10000000	400 U	396 U	370 U	410 U	540 JD	210 JD	370 JD
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	396 U	370 U	410 UJ	2000 UJ	2100 UJ	4100 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	760	433	310 J	590	**5700 D**	**9500 D**	**4700 D**
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	662	1600	410 U	2000 U	2100 U	4100 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	396 U	370 U	42 J	160 JD	2100 U	310 JD
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	792 U	750 U	810 U	4100 U	4100 U	8100 U
PHENANTHRENE	UG/KG	NA	NA	NA	250 J	317 J	320 J	540	8400 D	2800 D	5300 D
PHENOL	UG/KG	50000	10000000	10000000	400 U	396 U	370 U	410 U	2000 U	2100 U	4100 U
PYRENE	UG/KG	100000	1700000	10000000	480	904	910 UJ	2200	22000 D	17000 D	20000 D

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-2033-01 5/5/2000 0 - 1 ft.	SB-J10-9122-03 5/26/2000 0 - 1 ft.	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-J9-2-02 5/9/2000 0 - 1.5 ft.	SB-K7-3-03 5/2/2000 0 - 0.5 ft.	SB-K7-F5-02 5/2/2000 0 - 1 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-1-05 4/28/2000 0 - 0.5 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	380 U	NR	3600 UJ	370 U	390 U	400 U	420 U	520 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	380 U	NR	3600 UJ	370 U	390 U	400 U	420 U	520 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	770 U	69.18 J	7200 UJ	750 U	780 U	790 U	840 U	1000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	**110 J**	370 U	**264000 J**	370 U	390 U	400 U	**859 J**	520 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
2-NITROPHENOL	UG/KG	NA	NA	NA	380 U	NR	3600 UJ	370 U	390 U	400 U	420 U	520 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	770 UJ	NR	7200 UJ	750 U	780 U	790 U	840 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	770 U	730 U	7200 UJ	750 U	780 U	790 U	840 U	1000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
4-NITROPHENOL	UG/KG	NA	NA	NA	770 U	NR	7200 UJ	750 U	780 U	790 U	840 U	1000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	380 U	370 U	320 J	370 U	390 U	400 U	420 U	520 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	43 J	31.48 J	720 J	45 J	390 U	400 U	420 U	520 U
ANTHRACENE	UG/KG	100000	10000000	10000000	380 U	24.16 J	1400 J	65 J	390 U	400 U	420 U	520 U
BENZIDINE	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	200 J	201 J	**2800 J**	370 J	390 U	400 U	38 J	48 J
BENZO(a)PYRENE	UG/KG	100000	660	660	200 J	154 J	**4500 J**	320 J	390 U	400 U	38 J	48 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460	455	**15000 J**	500	390 U	400 U	97 J	520 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	160 J	370 U	2800 J	300 J	390 U	400 U	420 U	520 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	170 J	141 J	**4300 J**	200 J	390 U	400 U	420 U	520 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	380 U	370 U	3600 UJ	370 U	390 J	400 U	420 U	520 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 UJ	97.36 J	3600 UJ	36 J	390 U	54 J	20 J	83 J
CHRYSENE	UG/KG	500000	9000	40000	430	263 J	4600 J	480	390 U	400 U	65 J	53 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	340 J	72.47 J	760 J	61 J	390 U	140 J	47 J	92 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	380 UJ	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-2033-01 5/5/2000 0 - 1 ft.	SB-J10-9122-03 5/26/2000 0 - 1 ft.	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-J9-2-02 5/9/2000 0 - 1.5 ft.	SB-K7-3-03 5/2/2000 0 - 0.5 ft.	SB-K7-F5-02 5/2/2000 0 - 1 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-1-05 4/28/2000 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	380 U	370 U	**1800 J**	100 J	390 U	400 U	420 U	520 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	370 U	330 J	370 U	390 U	56 J	150 J	520 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	370 J	346 J	4000 J	760	390 U	400 U	420 U	520 U
FLUORENE	UG/KG	100000	2300000	10000000	380 U	370 U	440 J	370 U	390 U	400 U	420 U	520 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	380 UJ	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 U	520 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	150 J	71.74 J	**3000 J**	250 J	390 U	400 U	420 U	520 U
ISOPHORONE	UG/KG	50000	1100000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	130 J	370 U	8800 J	370 U	390 U	89 J	120 J	520 U
NAPHTHALENE	UG/KG	100000	230000	4200000	40 J	NR	3600 UJ	34 J	390 U	400 U	420 U	520 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	770 U	730 U	7200 UJ	750 U	780 U	790 U	840 U	1000 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 J	80.16 J	2700 J	350 J	390 U	29 J	37 J	56 J
PHENOL	UG/KG	50000	10000000	10000000	380 U	370 U	3600 UJ	370 U	390 U	400 U	420 UJ	520 U
PYRENE	UG/KG	100000	1700000	10000000	500	353 J	8200 J	770 J	390 U	400 U	420 U	520 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-393-01 7/25/2000 0 - 1 ft.	SB-K8-393-05 4/28/2000 0 - 0.5 ft.	SB-K8-9207-04 7/25/2000 0 - 1.5 ft.	SB-K8-9212-02 5/9/2000 0 - 2 ft.	SB-K8-9212-07 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-01 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-04 7/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	371 U	NR	387 U	NR	NR	NR	427 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	741 U	1200 UJ	774 U	840 U	760 U	810 U	854 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	371 U	**64 J**	**421 J**	420 U	380 U	410 U	427 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
2-NITROPHENOL	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	741 U	1200 UJ	774 U	840 U	760 U	810 U	854 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	741 U	1200 UJ	774 U	840 U	760 U	810 U	854 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	371 UJ	600 UJ	387 UJ	420 U	380 U	410 U	427 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
4-NITROPHENOL	UG/KG	NA	NA	NA	741 U	1200 UJ	774 UJ	840 U	760 U	810 U	854 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
ANTHRACENE	UG/KG	100000	10000000	10000000	371 U	600 UJ	66.6 J	34 J	380 U	410 U	427 U
BENZIDINE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	371 U	160 J	438	290 J	160 J	120 J	51.7 J
BENZO(a)PYRENE	UG/KG	100000	660	660	371 U	140 J	361 J	330 J	69 J	63 J	52.5 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	371 U	350 J	457	500	150 J	95 J	92.2 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	371 U	600 UJ	211 J	210 J	380 U	410 U	427 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	371 U	600 UJ	171 J	150 J	380 U	410 U	427 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	600 UJ	NR	420 U	380 U	410 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	371 U	52 J	33.7 J	27 J	42 J	410 U	28.2 J
CHRYSENE	UG/KG	500000	9000	40000	371 U	210 J	360 J	410 J	190 J	130 J	99.5 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	371 U	120 J	87.5 J	110 J	380 U	38 J	427 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-393-01 7/25/2000 0 - 1 ft.	SB-K8-393-05 4/28/2000 0 - 0.5 ft.	SB-K8-9207-04 7/25/2000 0 - 1.5 ft.	SB-K8-9212-02 5/9/2000 0 - 2 ft.	SB-K8-9212-07 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-01 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-04 7/25/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	371 U	360 J	603	540	150 J	110 J	106 J
FLUORENE	UG/KG	100000	2300000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	371 U	110 J	212 J	170 J	380 U	410 U	427 U
ISOPHORONE	UG/KG	50000	1100000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
NAPHTHALENE	UG/KG	100000	230000	4200000	371 U	600 UJ	387 U	420 U	380 U	43 J	427 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	741 U	1200 UJ	774 U	840 U	760 U	810 U	854 U
PHENANTHRENE	UG/KG	NA	NA	NA	371 U	260 J	147 J	210 J	300 J	150 J	84.5 J
PHENOL	UG/KG	50000	10000000	10000000	371 U	600 UJ	387 U	420 U	380 U	410 U	427 U
PYRENE	UG/KG	100000	1700000	10000000	371 U	380 J	585	530	380 U	120 J	116 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-3-01 5/9/2000 0 - 1.5 ft.	SB-L7-1-01 8/2/2000 0 - 1.5 ft.	SB-L7-1-03 5/23/2000 0 - 1.5 ft.	SB-L7-2-02 5/9/2000 0 - 2 ft.	SB-L7-4-02 5/2/2000 0 - 2 ft.	SB-L7-6-01 5/5/2000 0 - 1 ft.	SB-L7-8115-02 5/5/2000 0 - 2 ft.	SB-L7-8115-04 7/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	420 U	430 UJ	440 UJ	380 U	440 U	470 U	370 U	404 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 UJ	370 U	404 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	404 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	830 U	861 UJ	890 UJ	770 U	890 U	940 U	740 U	809 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
2-NITROPHENOL	UG/KG	NA	NA	NA	420 U	NR	440 U	380 U	440 U	470 U	370 U	404 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	830 U	861 UJ	890 U	770 U	890 U	940 U	740 U	809 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	830 U	861 UJ	890 U	770 U	890 U	940 U	740 U	809 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
4-NITROPHENOL	UG/KG	NA	NA	NA	830 U	NR	890 U	770 U	890 U	940 U	740 U	809 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
ANTHRACENE	UG/KG	100000	10000000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
BENZIDINE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	420 U	430 UJ	37 J	380 U	440 U	470 U	370 U	404 U
BENZO(a)PYRENE	UG/KG	100000	660	660	420 U	52 J	440 U	380 U	440 U	470 U	370 U	404 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	420 U	430 UJ	440 UJ	380 U	440 U	470 UJ	370 U	404 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	430 UJ	40 J	19 J	440 U	470 U	370 U	29.1 J
CHRYSENE	UG/KG	500000	9000	40000	70 J	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	420 U	73 U	83 J	380 U	440 U	56 J	370 U	404 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-3-01 5/9/2000 0 - 1.5 ft.	SB-L7-1-01 8/2/2000 0 - 1.5 ft.	SB-L7-1-03 5/23/2000 0 - 1.5 ft.	SB-L7-2-02 5/9/2000 0 - 2 ft.	SB-L7-4-02 5/2/2000 0 - 2 ft.	SB-L7-6-01 5/5/2000 0 - 1 ft.	SB-L7-8115-02 5/5/2000 0 - 2 ft.	SB-L7-8115-04 7/25/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	420 U	430 UJ	440 U	380 U	440 U	470 UJ	370 U	404 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	76 J	430 UJ	440 U	380 U	440 U	85 J	370 U	404 U
FLUORENE	UG/KG	100000	2300000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	420 U	NR	440 U	380 U	440 U	470 U	370 UJ	404 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	420 U	430 UJ	440 UJ	380 U	440 U	470 U	370 U	404 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	420 U	430 UJ	440 U	380 U	440 U	470 UJ	370 U	404 U
ISOPHORONE	UG/KG	50000	1100000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	420 U	48 J	440 U	380 U	440 U	470 U	370 U	404 U
NAPHTHALENE	UG/KG	100000	230000	4200000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	830 U	861 UJ	890 U	770 U	890 U	940 U	740 U	809 U
PHENANTHRENE	UG/KG	NA	NA	NA	85 J	430 UJ	44 J	380 U	440 U	61 J	370 U	404 U
PHENOL	UG/KG	50000	10000000	10000000	420 U	430 UJ	440 U	380 U	440 U	470 U	370 U	404 U
PYRENE	UG/KG	100000	1700000	10000000	420 U	105 J	440 U	380 U	440 U	75 J	370 U	404 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L8-8215-01 5/4/2000 0 - 0.5 ft.	SB-L8-8235-01 5/4/2000 0 - 1 ft.	SB-L8-8235-02 7/25/2000 0 - 1 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-04 5/11/2000 0 - 2 ft.	SB-M7-2-05 5/11/2000 0 - 1 ft.	SB-M7-2-11 5/11/2000 0 - 1.5 ft.	SB-M7-2-13 5/11/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	413 U	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	370 U	440 U	413 U	5200 UJ	410 UJ	4800 UJ	790 UJ	680 UJ
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	730 U	880 U	825 U	10000 UJ	810 UJ	9700 UJ	1600 UJ	1400 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	370 U	440 U	413 U	**970 J**	410 U	**1900 J**	790 U	680 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
2-NITROPHENOL	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	730 U	880 U	825 U	10000 U	810 U	9700 U	1600 U	1400 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	730 U	880 U	825 U	10000 UJ	810 UJ	9700 UJ	1600 UJ	1400 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	370 U	440 U	413 UJ	5200 U	410 U	4800 U	790 U	680 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
4-NITROPHENOL	UG/KG	NA	NA	NA	730 U	880 U	825 UJ	10000 U	810 U	9700 U	1600 U	1400 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	38 J	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
ANTHRACENE	UG/KG	100000	10000000	10000000	49 J	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
BENZIDINE	UG/KG	NA	NA	NA	370 UJ	440 UJ	413 U	5200 U	410 U	4800 U	790 U	680 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 J	75 J	101 J	830 J	52 J	4800 U	790 U	87 J
BENZO(a)PYRENE	UG/KG	100000	660	660	380	95 J	101 J	**1900 J**	42 J	4800 U	790 U	680 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	620	140 J	192 J	5200 U	110 J	4800 U	790 U	680 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	240 J	440 U	413 U	3700 J	410 U	4800 U	790 U	680 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	230 J	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	370 U	440 U	413 U	5200 UJ	410 UJ	4800 UJ	790 UJ	680 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	370 U	440 U	NR	5200 U	410 U	4800 U	790 U	680 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	53 J	36 J	24.8 J	5200 U	20 J	4800 U	790 U	78 J
CHRYSENE	UG/KG	500000	9000	40000	390	93 J	144 J	1700 J	73 J	4800 U	790 U	100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	78 J	440 U	413 U	5200 U	190 J	4800 U	790 U	93 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L8-8215-01 5/4/2000 0 - 0.5 ft.	SB-L8-8235-01 5/4/2000 0 - 1 ft.	SB-L8-8235-02 7/25/2000 0 - 1 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-04 5/11/2000 0 - 2 ft.	SB-M7-2-05 5/11/2000 0 - 1 ft.	SB-M7-2-11 5/11/2000 0 - 1.5 ft.	SB-M7-2-13 5/11/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	370 U	440 U	413 U	**1900 J**	410 U	4800 U	790 U	680 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	440 U	413 U	490 J	410 U	4800 U	790 U	62 J
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	800	190 J	229 J	5200 U	120 J	4800 U	790 U	200 J
FLUORENE	UG/KG	100000	2300000	10000000	39 J	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	220 J	440 U	71 J	**2100 J**	410 U	4800 U	790 U	680 U
ISOPHORONE	UG/KG	50000	1100000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	370 U	440 U	413 U	5200 UJ	410 UJ	4800 UJ	790 UJ	680 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	370 U	440 U	413 U	5200 UJ	410 UJ	4800 UJ	790 UJ	680 UJ
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	440 U	413 U	11000	410 U	3200 J	790 U	680 U
NAPHTHALENE	UG/KG	100000	230000	4200000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	730 U	880 U	825 U	10000 U	810 U	9700 U	1600 U	1400 U
PHENANTHRENE	UG/KG	NA	NA	NA	360 J	96 J	85.8 J	5200 U	25 J	4800 U	790 U	110 J
PHENOL	UG/KG	50000	10000000	10000000	370 U	440 U	413 U	5200 U	410 U	4800 U	790 U	680 U
PYRENE	UG/KG	100000	1700000	10000000	1000	150 J	229 J	5200 U	410 U	4800 U	790 U	190 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M7-2-15 5/11/2000 0 - 2 ft.	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.	SB-N5-3-01 7/25/2000 0 - 2 ft.	SB-N5-3-03 5/12/2000 0 - 1.5 ft.	SB-N5-533-01 7/25/2000 0 - 2 ft.	SB-N5-533-05 5/12/2000 0 - 2 ft.	SB-N5-581-01 5/12/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	4230 U	NR	398 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 UJ	410 UJ	530 UJ	4230 U	390 U	398 U	420 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	850 UJ	810 UJ	1100 UJ	8460 U	780 U	795 U	830 U	790 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	**430**	**2500**	4230 U	390 U	398 U	420 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	850 U	810 U	1100 U	8460 U	780 UJ	795 UJ	830 UJ	790 UJ
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	850 UJ	810 UJ	1100 UJ	8460 U	780 U	795 U	830 U	790 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	410 U	530 U	4230 UJ	390 U	398 U	420 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	850 U	810 U	1100 U	8460 UJ	780 U	795 U	830 U	790 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	40 J
ACENAPHTHYLENE	UG/KG	NA	NA	NA	29 J	52 J	35 J	4230 U	390 U	398 U	420 U	210 J
ANTHRACENE	UG/KG	100000	10000000	10000000	29 J	120 J	51 J	4230 U	390 U	398 U	420 U	160 J
BENZIDINE	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	95 J	420	210 J	4230 U	390 U	120 J	420 U	470
BENZO(a)PYRENE	UG/KG	100000	660	660	76 J	300 J	260 J	4230 U	390 U	85.9 J	420 U	400 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	200 J	850	550	4230 U	390 U	123 J	420 U	500
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	150 J	180 J	4230 U	390 U	398 U	420 U	180 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	310 J	530 U	4230 U	390 U	398 U	420 U	230 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 UJ	410 UJ	530 UJ	4230 U	390 UJ	398 U	420 UJ	400 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	430 U	410 U	530 U	NR	390 U	NR	420 U	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	410 U	530 U	4230 U	390 U	398 U	30 J	18 J
CHRYSENE	UG/KG	500000	9000	40000	190 J	690	320 J	4230 U	390 U	104 J	420 U	490
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	59 J	42 J	84 J	4230 U	390 U	398 U	420 U	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M7-2-15 5/11/2000 0 - 2 ft.	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.	SB-N5-3-01 7/25/2000 0 - 2 ft.	SB-N5-3-03 5/12/2000 0 - 1.5 ft.	SB-N5-533-01 7/25/2000 0 - 2 ft.	SB-N5-533-05 5/12/2000 0 - 2 ft.	SB-N5-581-01 5/12/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	200 J	570	410 J	4230 U	390 U	221 J	420 U	1200
FLUORENE	UG/KG	100000	2300000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	180 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	410 U	530 U	4230 U	390 U	398 UJ	420 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	170 J	210 J	4230 U	390 U	398 U	420 U	190 J
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 UJ	410 UJ	530 UJ	4230 U	390 U	398 U	420 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 UJ	410 UJ	530 UJ	4230 U	390 U	398 U	420 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	410 U	290 J	4230 U	390 U	398 U	420 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	67 J	530 U	4230 U	390 U	398 U	420 U	76 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	850 U	810 U	1100 U	8460 U	780 U	795 U	830 U	790 U
PHENANTHRENE	UG/KG	NA	NA	NA	110 J	510	170 J	4230 U	28 J	126 J	30 J	1400
PHENOL	UG/KG	50000	10000000	10000000	430 U	410 U	530 U	4230 U	390 U	398 U	420 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	160 J	730	290 J	4230 U	390 U	186 J	420 U	990

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-581-05 7/25/2000 0 - 1.5 ft.	SB-N5-582-02 5/12/2000 0 - 1.5 ft.	SB-N6-640-03 5/12/2000 0 - 1 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-13 5/2/2000 0 - 1 ft.	SB-N7-2-14 5/2/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	394 U	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	787 U	8900 U	800 U	1000 UJ	900 UJ	1700 UJ	930 UJ	900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	394 U	4400 U	400 U	**400 J**	450 U	830 U	460 U	450 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
2-NITROPHENOL	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	787 U	8900 UJ	800 UJ	1000 U	900 U	1700 U	930 U	900 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	787 U	8900 U	800 U	1000 U	900 U	1700 U	930 U	900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	394 UJ	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
4-NITROPHENOL	UG/KG	NA	NA	NA	787 UJ	8900 U	800 U	1000 U	900 U	1700 U	930 U	900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	394 U	4400 U	400 U	43 J	450 U	830 U	460 U	450 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	394 U	380 J	350 J	260 J	150 J	220 J	120 J	450 U
ANTHRACENE	UG/KG	100000	10000000	10000000	394 U	410 J	330 J	900	58 J	450 J	190 J	450 U
BENZIDINE	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	43.3 J	**1700 J**	**1500**	**4200**	600	**4100**	**1400**	94 J
BENZO(a)PYRENE	UG/KG	100000	660	660	36.6 J	**1400 J**	**1500**	**2600 J**	**660 J**	**1800**	**1000**	88 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	394 U	**2300 J**	**3200**	**5400 J**	**1300 J**	**4900**	**3500**	160 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	394 U	4400 U	740	1200 J	460 J	800 J	480	450 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	394 U	**1200 J**	**1200**	**2500 J**	540 J	**2000**	**1100**	450 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	394 U	4400 UJ	400 UJ	500 U	450 U	830 U	460 U	450 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	20.5 J	290 J	34 J	170 J	120 J	160 J	52 J	80 J
CHRYSENE	UG/KG	500000	9000	40000	394 U	2300 J	2100	3900	700	3700	2000	100 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	394 U	4400 U	37 J	46 J	46 J	830 U	460 U	450 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	394 U	4400 U	400 U	500 UJ	450 UJ	830 UJ	460 UJ	450 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-581-05 7/25/2000 0 - 1.5 ft.	SB-N5-582-02 5/12/2000 0 - 1.5 ft.	SB-N6-640-03 5/12/2000 0 - 1 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-13 5/2/2000 0 - 1 ft.	SB-N7-2-14 5/2/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	394 U	4400 U	300 J	490 J	180 J	340 J	200 J	450 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	110 J	5300	2300	4700	860	4600	860	200 J
FLUORENE	UG/KG	100000	2300000	10000000	394 U	370 J	400 U	86 J	40 J	830 U	460 U	450 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	394 U	4400 U	400 U	500 UJ	450 UJ	830 UJ	460 UJ	450 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	394 U	**910 J**	820	**1300 J**	470 J	**930**	550	450 U
ISOPHORONE	UG/KG	50000	1100000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
NAPHTHALENE	UG/KG	100000	230000	4200000	394 U	4400 U	43 J	41 J	39 J	830 U	460 U	450 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	787 U	8900 U	800 U	1000 U	900 U	1700 U	930 U	900 U
PHENANTHRENE	UG/KG	NA	NA	NA	92.1 J	3800 J	330 J	540	500	290 J	46 J	60 J
PHENOL	UG/KG	50000	10000000	10000000	394 U	4400 U	400 U	500 U	450 U	830 U	460 U	450 U
PYRENE	UG/KG	100000	1700000	10000000	93.3 J	3800 J	2500	5700 *D	1600	6600	1700	160 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-2-17 5/2/2000 0 - 1 ft.	SB-N7-394-01 5/2/2000 0 - 1.25 ft.	SB-N7-394-03 7/26/2000 0 - 2 ft.	SB-N7-5-02 5/5/2000 0 - 1 ft.	SB-N7-571-02 7/26/2000 0 - 1 ft.	SB-N7-571-03 5/5/2000 0 - 1.5 ft.	SB-N7-572-01 5/5/2000 0 - 2 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 UJ	435 U	430 UJ	430 UJ	420 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	437 U	NR	435 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1400 U	880 U	874 U	770 U	869 U	850 U	850 U	830 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	690 U	440 U	437 U	380 U	435 U	430 U	430 U	**120 J**
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
2-NITROPHENOL	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	1400 U	880 U	874 U	770 U	869 U	850 U	850 U	830 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1400 U	880 U	874 U	770 U	869 U	850 U	850 U	830 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1400 U	880 U	874 U	770 U	869 U	850 U	850 U	830 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	130 J	440 U	437 U	380 U	435 U	430 U	430 U	39 J
ANTHRACENE	UG/KG	100000	10000000	10000000	130 J	440 U	437 U	380 U	435 U	430 U	430 U	36 J
BENZIDINE	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**2200**	440 U	437 U	72 J	435 U	430 U	430 U	260 J
BENZO(a)PYRENE	UG/KG	100000	660	660	**2400**	440 U	437 U	86 J	435 U	430 U	430 U	210 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**4200**	440 U	437 U	140 J	435 U	430 U	430 U	530 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	2000	440 U	437 U	380 UJ	435 U	430 UJ	430 UJ	190 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1800**	440 U	437 U	380 U	435 U	430 U	430 U	180 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	690 U	440 U	NR	380 U	NR	430 U	430 U	420 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	140 J	440 U	437 U	380 U	435 U	430 U	430 U	67 J
CHRYSENE	UG/KG	500000	9000	40000	2600	440 U	437 U	120 J	435 U	430 U	430 U	330 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	150 J	440 U	159 J	84 J	435 U	430 U	430 U	36 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 UJ

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-2-17 5/2/2000 0 - 1 ft.	SB-N7-394-01 5/2/2000 0 - 1.25 ft.	SB-N7-394-03 7/26/2000 0 - 2 ft.	SB-N7-5-02 5/5/2000 0 - 1 ft.	SB-N7-571-02 7/26/2000 0 - 1 ft.	SB-N7-571-03 5/5/2000 0 - 1.5 ft.	SB-N7-572-01 5/5/2000 0 - 2 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	610 J	440 U	437 U	380 UJ	435 U	430 UJ	430 UJ	420 UJ
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	2000	420 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	4000	440 U	437 U	190 J	435 U	430 U	430 U	430
FLUORENE	UG/KG	100000	2300000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	**1900**	440 U	437 U	380 UJ	435 U	430 UJ	430 UJ	180 J
ISOPHORONE	UG/KG	50000	1100000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	690 U	440 U	437 U	380 U	40.4 J	430 U	550	420 U
NAPHTHALENE	UG/KG	100000	230000	4200000	110 J	440 U	437 U	380 U	435 U	430 U	430 U	24 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1400 U	880 U	874 U	770 U	869 U	850 U	850 U	830 U
PHENANTHRENE	UG/KG	NA	NA	NA	1100	440 U	437 U	160 J	435 U	430 U	430 U	180 J
PHENOL	UG/KG	50000	10000000	10000000	690 U	440 U	437 U	380 U	435 U	430 U	430 U	420 U
PYRENE	UG/KG	100000	1700000	10000000	4400	440 U	437 U	200 J	435 U	430 U	430 U	610 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-574-02 5/5/2000 0 - 2 ft.	SB-N7-574-03 7/26/2000 0 - 1 ft.	SB-O5-2-01 5/11/2000 0 - 2 ft.	SB-O5-2-04 7/25/2000 0 - 1 ft.	SB-O5-5-02 7/25/2000 0 - 1.5 ft.	SB-O5-5-03 5/11/2000 0 - 1.25 ft.	SB-O5-534-02 9/27/2000 0 - 1 ft.	SB-O5-534-04 5/11/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	398 U	NR	374 U	379 U	NR	470 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	796 U	820 UJ	748 U	757 U	780 UJ	940 U	880 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	796 U	820 U	748 U	757 U	780 U	940 UJ	880 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	796 U	820 UJ	748 U	757 U	780 UJ	940 U	880 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	398 U	410 U	374 UJ	379 UJ	390 U	470 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	16 J	796 U	820 U	748 UJ	757 UJ	780 U	940 U	880 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	62 J
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	390 U	398 U	410 U	374 U	37.1 J	390 U	470 U	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	390 U	398 U	410 U	374 U	40.5 J	390 U	41.4 J	180 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	390 U	398 U	410 U	374 U	93.9 J	390 U	470 U	320 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	398 U	410 UJ	374 U	379 U	390 UJ	470 UJ	440 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	NR	410 U	NR	NR	390 U	NR	440 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	398 U	410 U	374 U	19.3 J	390 U	37.1 J	26 J
CHRYSENE	UG/KG	500000	9000	40000	390 U	398 U	410 U	374 U	62.1 J	390 U	470 U	220 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	55.4 J	410 U	374 U	379 U	390 U	470 U	440 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-574-02 5/5/2000 0 - 2 ft.	SB-N7-574-03 7/26/2000 0 - 1 ft.	SB-O5-2-01 5/11/2000 0 - 2 ft.	SB-O5-2-04 7/25/2000 0 - 1 ft.	SB-O5-5-02 7/25/2000 0 - 1.5 ft.	SB-O5-5-03 5/11/2000 0 - 1.25 ft.	SB-O5-534-02 9/27/2000 0 - 1 ft.	SB-O5-534-04 5/11/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	390 U	398 U	410 U	374 U	126 J	390 U	470 U	580
FLUORENE	UG/KG	100000	2300000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	37 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 UJ	398 U	410 U	374 U	379 U	390 U	470 U	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	398 U	410 UJ	374 U	379 U	390 UJ	470 UJ	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	240 J
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	30 J
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	796 U	820 U	748 U	757 U	780 U	940 U	880 U
PHENANTHRENE	UG/KG	NA	NA	NA	390 U	398 U	410 U	374 U	147 J	390 U	66.3 J	450
PHENOL	UG/KG	50000	10000000	10000000	390 U	398 U	410 U	374 U	379 U	390 U	470 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	398 U	410 U	374 U	95 J	390 U	470 U	390 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-580.5-02 5/11/2000 0 - 2 ft.	SB-O5-580.5-05 7/25/2000 0 - 1 ft.
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	383 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	383 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	383 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	383 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	383 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	383 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	383 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	383 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	383 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 UJ	766 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	383 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	383 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	383 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	383 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	766 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 UJ	766 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	383 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	383 UJ
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	383 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	766 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	383 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	383 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	383 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	383 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	130 J
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	98.1 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	141 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	383 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	383 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	383 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	383 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 UJ	383 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	383 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	128 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	383 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	383 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-580.5-02 5/11/2000 0 - 2 ft.	SB-O5-580.5-05 7/25/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	383 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	383 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	383 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	235 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	383 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	383 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	383 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 UJ	383 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	383 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	383 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	383 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	383 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	383 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	383 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	383 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	766 U
PHENANTHRENE	UG/KG	NA	NA	NA	47 J	102 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	383 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	185 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-6-02 5/10/2000 0 - 2 ft.	SB-O5-6-03 7/25/2000 0 - 1 ft.	SB-O6-1-02 5/10/2000 0 - 1 ft.	SB-O6-649-02 5/10/2000 0 - 1.5 ft.	SB-O6-649-03 7/25/2000 0 - 1 ft.	SB-O6-650-01 7/25/2000 0 - 0.5 ft.	SB-O6-650-03 5/10/2000 0 - 1.5 ft.	SB-O7-2-01 7/26/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	379 U	NR	NR	354 U	395 U	NR	401 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	810 UJ	758 U	920 UJ	760 UJ	707 U	791 U	730 UJ	802 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	810 U	758 U	920 U	760 U	707 U	791 U	730 U	802 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	810 U	758 U	920 U	760 U	707 U	791 U	730 U	802 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	379 UJ	460 U	380 U	354 UJ	395 UJ	370 U	401 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
4-NITROPHENOL	UG/KG	NA	NA	NA	810 U	758 UJ	920 U	760 U	707 UJ	791 UJ	730 U	802 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
BENZIDINE	UG/KG	NA	NA	NA	410 UJ	379 U	460 UJ	380 UJ	354 U	395 U	370 UJ	401 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	62.1 J	460 U	380 U	354 U	395 U	37 J	401 U
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	63.3 J	460 U	380 U	354 U	395 U	370 U	401 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	98.5 J	460 U	380 U	354 U	395 U	370 U	401 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 UJ	379 U	460 UJ	380 UJ	354 U	395 U	370 UJ	401 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	410 U	NR	460 U	380 U	NR	NR	370 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	44 J	30 J	23 J	354 U	26.1 J	370 U	401 U
CHRYSENE	UG/KG	500000	9000	40000	410 U	85.6 J	460 U	380 U	354 U	395 U	52 J	401 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	188 J	460 U	380 U	354 U	395 U	370 U	63.4 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-6-02 5/10/2000 0 - 2 ft.	SB-O5-6-03 7/25/2000 0 - 1 ft.	SB-O6-1-02 5/10/2000 0 - 1 ft.	SB-O6-649-02 5/10/2000 0 - 1.5 ft.	SB-O6-649-03 7/25/2000 0 - 1 ft.	SB-O6-650-01 7/25/2000 0 - 0.5 ft.	SB-O6-650-03 5/10/2000 0 - 1.5 ft.	SB-O7-2-01 7/26/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 U	161 J	460 U	380 U	354 U	395 U	85 J	401 U
FLUORENE	UG/KG	100000	2300000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	810 U	758 U	920 U	760 U	707 U	791 U	730 U	802 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 U	107 J	29 J	380 U	354 U	395 U	370 U	401 U
PHENOL	UG/KG	50000	10000000	10000000	410 U	379 U	460 U	380 U	354 U	395 U	370 U	401 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	147 J	460 U	380 U	354 U	395 U	370 U	401 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2-02 5/4/2000 0 - 2 ft.	SB-O7-395-02 5/5/2000 0 - 1 ft.	SB-O7-395-03 7/26/2000 0 - 1 ft.	SB-O7-396-02 5/10/2000 0 - 2 ft.	SB-O7-396-03 7/26/2000 0 - 2 ft.	SB-O7-576-02 5/10/2000 0 - 1.5 ft.	SB-O7-615E-01 5/5/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	450 UJ	425 U	360 U	398 U	430 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	425 U	NR	398 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	790 U	900 U	850 U	720 UJ	796 U	870 UJ	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	900 U	850 U	720 U	796 U	870 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	790 U	900 U	850 U	720 U	796 U	870 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	790 U	900 U	850 U	720 U	796 U	870 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	450 U	425 U	360 U	78 J	430 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 UJ	398 U	430 UJ	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	140 J	263 J	360 U	307 J	46 J	390 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	150 J	232 J	360 U	181 J	63 J	390 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	180 J	277 J	360 U	601	430 U	390 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	100 J	137 J	360 U	141 J	430 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	450 U	102 J	360 U	205 J	430 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	450 U	425 U	360 UJ	398 U	430 UJ	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	400 U	450 U	NR	360 U	NR	430 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	39 J	66 J	425 U	90 J	21.5 J	37 J	390 U
CHRYSENE	UG/KG	500000	9000	40000	400 U	150 J	205 J	360 U	513	110 J	390 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	45 J	425 U	61 J	77.2 J	430 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-2-02 5/4/2000 0 - 2 ft.	SB-O7-395-02 5/5/2000 0 - 1 ft.	SB-O7-395-03 7/26/2000 0 - 1 ft.	SB-O7-396-02 5/10/2000 0 - 2 ft.	SB-O7-396-03 7/26/2000 0 - 2 ft.	SB-O7-576-02 5/10/2000 0 - 1.5 ft.	SB-O7-615E-01 5/5/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	450 UJ	425 U	360 U	398 U	430 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	230 J	436	360 U	871	120 J	390 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	450 U	425 U	360 U	398 U	430 U	390 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	94 UJ	131 J	360 U	149 J	430 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	450 U	425 U	360 U	398 U	430 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	450 U	425 U	360 U	398 U	430 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	450 U	425 U	360 U	46.2 J	430 U	330 J
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	790 U	900 U	850 U	720 U	796 U	870 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	120 J	140 J	360 U	113 J	100 J	390 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	450 U	425 U	360 U	398 U	430 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	260 J	348 J	360 U	637	430 U	390 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-615E-04 7/26/2000 0 - 1.25 ft.	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-3-04 5/4/2000 0 - 1 ft.	SB-O8-3-06 5/4/2000 0 - 2 ft.	SB-O8-3-09 5/4/2000 0 - 1.25 ft.	SB-O8-3-12 5/4/2000 0 - 2 ft.	SB-O8-3-13 5/4/2000 0 - 1 ft.	SB-O8-3-15 5/4/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	400 UJ	460 U	410 U	380 U	380 U	460 U	390 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	800 U	790 U	930 U	810 U	760 U	770 U	910 U	780 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	400 U	460 U	410 U	59 J	380 U	460 U	390 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	800 U	790 U	930 U	810 U	760 U	770 U	910 U	780 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	800 U	790 U	930 U	810 U	760 U	770 U	910 U	780 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
4-NITROPHENOL	UG/KG	NA	NA	NA	800 U	790 U	930 U	810 U	760 U	770 U	910 U	780 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	400 U	460 U	65 J	31 J	380 U	460 U	390 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 U	400 U	460 U	36 J	20 J	380 U	460 U	390 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	400 U	460 U	190 J	120 J	380 U	460 U	390 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	400 U	460 UJ	410 U	380 U	380 UJ	460 U	390 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	400 U	39 J	610	490	34 J	460 U	67 J
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	85 J	42 J	490	400	32 J	30 J	75 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	220 J	460 U	620	570	380 U	460 U	93 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	140 J	460 U	290 J	190 J	380 U	460 U	390 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	400 U	460 U	220 J	190 J	380 U	460 U	390 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	400 U	460 U	410 U	380 U	380 U	460 U	390 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	131 J	170 J	120 J	25 J	91 J	34 J	460 U	21 J
CHRYSENE	UG/KG	500000	9000	40000	400 U	130 J	460 U	650	470	36 J	460 U	84 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	210 J	460 U	110 J	380 U	150 J	460 U	390 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-615E-04 7/26/2000 0 - 1.25 ft.	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-3-04 5/4/2000 0 - 1 ft.	SB-O8-3-06 5/4/2000 0 - 2 ft.	SB-O8-3-09 5/4/2000 0 - 1.25 ft.	SB-O8-3-12 5/4/2000 0 - 2 ft.	SB-O8-3-13 5/4/2000 0 - 1 ft.	SB-O8-3-15 5/4/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	400 UJ	460 U	88 J	380 U	380 U	460 U	390 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	3500	390 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	120 J	460 U	1200	920	74 J	460 U	150 J
FLUORENE	UG/KG	100000	2300000	10000000	400 U	400 U	460 U	170 J	69 J	380 U	460 U	390 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	93 J	460 U	230 J	160 J	380 U	460 U	390 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	230 J	460 U	410 U	320 J	380 U	460 U	390 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	800 U	790 U	930 U	810 U	760 U	770 U	910 U	780 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	69 J	27 J	1200	670	44 J	34 J	100 J
PHENOL	UG/KG	50000	10000000	10000000	400 U	400 U	460 U	410 U	380 U	380 U	460 U	390 U
PYRENE	UG/KG	100000	1700000	10000000	400 U	140 J	460 U	1200	990	380 U	460 U	140 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-3-18 5/4/2000 0 - 1 ft.	SB-O8-3-20 5/4/2000 0 - 1.5 ft.	SB-O8-732-01 5/4/2000 0 - 2 ft.	SB-O8-732-04 7/26/2000 0 - 2 ft.	SB-P5-2-01 5/11/2000 0 - 2 ft.	SB-P5-2-03 7/26/2000 0 - 1.5 ft.	SB-P5-3-01 7/26/2000 0 - 2 ft.	SB-P5-3-02 5/11/2000 0 - 2 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	NR	490 U	NR	372 U	377 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	870 U	800 U	810 U	980 U	900 UJ	745 U	753 U	800 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	870 U	800 U	810 U	980 U	900 U	745 U	753 U	800 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	870 U	800 U	810 U	980 U	900 U	745 U	753 U	800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	870 U	800 U	810 U	980 U	900 U	745 U	753 U	800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	29 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	130 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	180 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 UJ	372 U	377 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	780	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**710**	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	700	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	520	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	620	400 U	410 U	490 U	450 U	372 U	377 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	400 U	410 U	490 U	450 UJ	372 U	377 U	400 UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	430 U	400 U	410 U	NR	450 U	NR	NR	400 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	50 J	400 U	34 J	43.6 J	53 J	26.8 J	19.2 J	21 J
CHRYSENE	UG/KG	500000	9000	40000	940	400 U	410 U	490 U	50 J	372 U	377 U	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 J	400 U	410 U	179 J	450 U	169 J	101 J	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	400 U	410 U	490 U	450 U	372 UJ	377 UJ	400 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-3-18 5/4/2000 0 - 1 ft.	SB-O8-3-20 5/4/2000 0 - 1.5 ft.	SB-O8-732-01 5/4/2000 0 - 2 ft.	SB-O8-732-04 7/26/2000 0 - 2 ft.	SB-P5-2-01 5/11/2000 0 - 2 ft.	SB-P5-2-03 7/26/2000 0 - 1.5 ft.	SB-P5-3-01 7/26/2000 0 - 2 ft.	SB-P5-3-02 5/11/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	150 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	1600	400 U	410 U	490 U	84 J	372 U	377 U	400 U
FLUORENE	UG/KG	100000	2300000	10000000	84 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 J	400 U	410 U	490 U	450 U	372 U	377 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	400 U	410 U	69.1 J	450 U	372 U	377 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	870 U	800 U	810 U	980 U	900 U	745 U	753 U	800 U
PHENANTHRENE	UG/KG	NA	NA	NA	890	400 U	410 U	490 U	52 J	372 U	377 U	37 J
PHENOL	UG/KG	50000	10000000	10000000	430 U	400 U	410 U	490 U	450 U	372 U	377 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	1900	400 U	410 U	490 U	450 U	372 U	377 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P6-541-01 7/26/2000 0 - 1 ft.	SB-P6-651-02 5/4/2000 0 - 1 ft.	SB-P6-651-04 7/26/2000 0 - 1 ft.	SB-P6-9225-03 5/4/2000 0 - 1 ft.	SB-P6-9225-05 5/4/2000 0 - 2 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.	SB-P7-575-01 5/9/2000 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	402 U	NR	368 U	NR	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	804 U	740 U	736 U	810 U	770 U	780 UJ	730 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	402 U	370 U	368 U	**920**	380 U	390 U	370 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
2-NITROPHENOL	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	804 U	740 U	736 U	810 U	770 U	780 U	730 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	804 U	740 U	736 U	810 U	770 U	780 UJ	730 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
4-NITROPHENOL	UG/KG	NA	NA	NA	804 U	740 U	736 U	810 U	770 U	780 U	730 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	402 U	370 U	368 U	410 U	380 U	29 J	370 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	340 J	370 U
ANTHRACENE	UG/KG	100000	10000000	10000000	402 U	370 U	368 U	410 U	380 U	280 J	370 U
BENZIDINE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	402 U	370 U	368 U	410 U	380 U	**2100**	370 U
BENZO(a)PYRENE	UG/KG	100000	660	660	402 U	370 U	368 U	410 U	380 U	**1600**	370 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	402 U	370 U	368 U	410 U	380 U	**3300**	370 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	940	370 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	402 U	370 U	368 U	410 U	380 U	**1400**	370 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	402 U	370 U	368 U	410 U	380 U	390 UJ	370 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	370 U	NR	410 U	380 U	390 U	370 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	26.1 J	370 U	24.7 J	1700	46 J	62 J	23 J
CHRYSENE	UG/KG	500000	9000	40000	402 U	370 U	368 U	410 U	380 U	2300	370 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	402 U	370 U	51.2 J	99 J	59 J	390 U	370 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P6-541-01 7/26/2000 0 - 1 ft.	SB-P6-651-02 5/4/2000 0 - 1 ft.	SB-P6-651-04 7/26/2000 0 - 1 ft.	SB-P6-9225-03 5/4/2000 0 - 1 ft.	SB-P6-9225-05 5/4/2000 0 - 2 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.	SB-P7-575-01 5/9/2000 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	402 U	370 U	368 U	410 U	380 U	370 J	370 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	402 U	370 U	368 U	410 U	190 J	390 U	370 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	402 U	370 U	368 U	410 U	380 U	4300	370 U
FLUORENE	UG/KG	100000	2300000	10000000	402 U	370 U	368 U	410 U	380 U	43 J	370 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	402 U	370 U	368 U	410 U	380 U	390 UJ	370 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	402 U	370 U	368 U	410 U	380 U	**1100**	370 U
ISOPHORONE	UG/KG	50000	1100000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	402 U	370 U	368 U	410 U	380 U	390 U	370 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	390 U	370 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	38.2 J	370 U	368 U	160 J	140 J	390 U	370 U
NAPHTHALENE	UG/KG	100000	230000	4200000	402 U	370 U	368 U	410 U	380 U	34 J	370 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	804 U	740 U	736 U	810 U	770 U	780 U	730 U
PHENANTHRENE	UG/KG	NA	NA	NA	402 U	370 U	368 U	410 U	380 U	550	370 U
PHENOL	UG/KG	50000	10000000	10000000	402 U	370 U	368 U	410 U	380 U	390 U	370 U
PYRENE	UG/KG	100000	1700000	10000000	402 U	370 U	368 U	410 U	380 U	4000	370 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P7-575-04 5/9/2000 0 - 1 ft.	SB-Q4-2-03 5/10/2000 0 - 2 ft.	SB-Q06-1-01 10/6/1999 0 - 2 ft.	SB-Q6-583-01 5/25/2000 0.5 - 2.5 ft.	SB-Q6-583-02 9/13/2000 0.5 - 2.5 ft.	SB-Q6-584-01 7/26/2000 0 - 1 ft.	SB-Q6-584-02 5/10/2000 0 - 1 ft.	SB-Q6-8-03 5/4/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	390 U	410 U	420 U	563 U	590 UJ	374 U	390 U	360 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	390 U	410 U	420 U	563 U	590 UJ	374 U	390 U	360 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	390 U	410 U	420 U	563 U	590 UJ	374 U	390 U	360 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	410 U	420 U	563 U	590 UJ	374 U	390 U	360 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	NR	420 U	NR	NR	374 U	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 U	810 UJ	2100 U	NR	NR	748 U	780 UJ	720 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
2-NITROPHENOL	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	780 U	810 U	830 U	NR	NR	748 U	780 U	720 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	780 U	810 U	2100 U	NR	NR	748 U	780 U	720 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
4-NITROPHENOL	UG/KG	NA	NA	NA	780 U	810 U	2100 U	NR	NR	748 U	780 U	720 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	390 U	410 U	130 J	NR	NR	374 U	390 U	360 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
ANTHRACENE	UG/KG	100000	10000000	10000000	390 U	410 U	270 J	NR	NR	374 U	390 U	360 U
BENZIDINE	UG/KG	NA	NA	NA	390 U	410 UJ	420 U	NR	NR	374 U	390 UJ	360 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	65 J	410 U	570	NR	NR	374 U	390 U	43 J
BENZO(a)PYRENE	UG/KG	100000	660	660	55 J	410 U	440	NR	NR	374 U	390 U	42 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	83 J	410 U	720	NR	NR	374 U	390 U	63 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	390 U	410 U	170 J	NR	NR	374 U	390 U	360 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	390 U	410 U	180 J	NR	NR	374 U	390 U	360 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	390 U	410 UJ	420 U	NR	NR	374 U	390 UJ	360 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	390 U	410 U	NR	NR	NR	NR	390 U	360 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	39 J	410 U	21 J	NR	NR	23.2 J	24 J	23 J
CHRYSENE	UG/KG	500000	9000	40000	64 J	410 U	550	NR	NR	374 U	390 U	41 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	390 U	220 J	420 U	NR	NR	374 U	390 U	360 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	390 U	410 U	420 U	NR	NR	374 UJ	390 U	360 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P7-575-04 5/9/2000 0 - 1 ft.	SB-Q4-2-03 5/10/2000 0 - 2 ft.	SB-Q06-1-01 10/6/1999 0 - 2 ft.	SB-Q6-583-01 5/25/2000 0.5 - 2.5 ft.	SB-Q6-583-02 9/13/2000 0.5 - 2.5 ft.	SB-Q6-584-01 7/26/2000 0 - 1 ft.	SB-Q6-584-02 5/10/2000 0 - 1 ft.	SB-Q6-8-03 5/4/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	71 J	410 U	1300	NR	NR	374 U	390 U	360 U
FLUORENE	UG/KG	100000	2300000	10000000	390 U	410 U	130 J	NR	NR	374 U	390 U	360 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	390 U	410 U	420 U	563 U	590 UJ	374 U	390 U	360 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	390 U	410 U	200 J	NR	NR	374 U	390 U	360 U
ISOPHORONE	UG/KG	50000	1100000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390 U	170 J	420 U	NR	NR	374 U	390 U	360 U
NAPHTHALENE	UG/KG	100000	230000	4200000	390 U	410 U	420 U	126 U	590 UJ	374 U	390 U	360 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	780 U	810 U	2100 U	NR	NR	748 U	780 U	720 U
PHENANTHRENE	UG/KG	NA	NA	NA	38 J	410 U	1100	NR	NR	374 U	390 U	22 J
PHENOL	UG/KG	50000	10000000	10000000	390 U	410 U	420 U	NR	NR	374 U	390 U	360 U
PYRENE	UG/KG	100000	1700000	10000000	390 U	410 U	940	NR	NR	374 U	390 U	360 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-Q6-8-05 7/26/2000 0 - 0.5 ft.	SB-Q6-9311-01 9/27/2000 0 - 1 ft.	SB-Q6-9311-03 7/13/2000 0 - 2 ft.	SB-R5-1-01 5/4/2000 0 - 1.25 ft.	SB-R5-1-03 7/26/2000 0 - 1 ft.	SB-R5-2-01 5/4/2000 0 - 1 ft.	SB-R5-2-03 5/4/2000 0 - 1 ft.	SB-R5-2-05 5/4/2000 0 - 1 ft.
Semi-Volatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	383 U	361 U	NR	NR	409 U	NR	NR	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	766 U	722 U	718 U	740 U	819 U	870 U	900 U	930 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	383 U	361 U	359 U	**28 J**	409 U	430 U	450 U	460 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
2-NITROPHENOL	UG/KG	NA	NA	NA	383 U	361 U	NR	370 U	409 U	430 U	450 U	460 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	766 U	722 UJ	718 U	740 U	819 U	870 U	900 U	930 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	766 U	722 U	718 U	740 U	819 U	870 U	900 U	930 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
4-NITROPHENOL	UG/KG	NA	NA	NA	766 U	722 U	NR	740 U	819 U	870 U	900 U	930 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
ANTHRACENE	UG/KG	100000	10000000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
BENZIDINE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 UJ	409 U	430 U	450 U	460 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	36.8 J	361 U	34.82 J	370 U	409 U	430 U	450 U	90 J
BENZO(a)PYRENE	UG/KG	100000	660	660	40.6 J	361 U	34.1 J	370 UJ	409 U	430 U	450 U	86 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	85.1 J	361 U	359 U	370 UJ	409 U	430 U	450 U	170 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	383 UJ	361 U	359 U	370 UJ	409 U	430 U	450 U	460 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	383 UJ	361 U	359 U	370 UJ	409 U	430 U	450 U	460 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	359 U	370 U	NR	430 U	450 U	460 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	54.8 J	361 U	359 U	47 J	26.6 J	33 J	37 J	130 J
CHRYSENE	UG/KG	500000	9000	40000	53.6 J	361 U	359 U	370 U	409 U	430 U	61 J	130 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	138 J	361 U	359 U	370 U	409 U	430 U	450 U	41 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	383 UJ	361 U	359 U	370 UJ	409 UJ	430 U	450 U	460 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-Q6-8-05 7/26/2000 0 - 0.5 ft.	SB-Q6-9311-01 9/27/2000 0 - 1 ft.	SB-Q6-9311-03 7/13/2000 0 - 2 ft.	SB-R5-1-01 5/4/2000 0 - 1.25 ft.	SB-R5-1-03 7/26/2000 0 - 1 ft.	SB-R5-2-01 5/4/2000 0 - 1 ft.	SB-R5-2-03 5/4/2000 0 - 1 ft.	SB-R5-2-05 5/4/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	383 UJ	361 U	359 U	370 UJ	409 U	430 U	450 U	460 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1280	361 U	359 U	370 U	409 U	430 U	450 U	460 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	84 J	170 J
FLUORENE	UG/KG	100000	2300000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	383 UJ	361 U	359 U	370 UJ	409 U	430 U	450 U	460 U
ISOPHORONE	UG/KG	50000	1100000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	519	361 U	359 U	370 U	409 U	430 U	450 U	460 U
NAPHTHALENE	UG/KG	100000	230000	4200000	383 U	361 U	NR	370 U	409 U	430 U	450 U	460 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	766 U	722 U	718 U	740 U	819 U	870 U	900 U	930 U
PHENANTHRENE	UG/KG	NA	NA	NA	383 U	361 U	359 U	29 J	409 U	41 J	37 J	140 J
PHENOL	UG/KG	50000	10000000	10000000	383 U	361 U	359 U	370 U	409 U	430 U	450 U	460 U
PYRENE	UG/KG	100000	1700000	10000000	95.4 J	361 U	359 U	370 U	409 U	430 U	450 U	290 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-R6-1-01 5/4/2000 0 - 2 ft.	SB-R6-1-02 7/26/2000 0 - 2 ft.	SB-R6-11-02 5/10/2000 0 - 1.25 ft.	SB-R6-11-03 7/27/2000 0 - 2 ft.	SB-S6-1-02 7/27/2000 0 - 1 ft.	SB-S6-1-05 5/10/2000 0 - 2 ft.	SB-S7-1-01 7/27/2000 0 - 1.5 ft.	SB-S7-1-02 5/10/2000 0 - 1 ft.	TP-P7-575-08 8/10/2000 2.5 - 4.5 ft.
Semi-Volatile Organic Compounds													
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	387 U	NR	397 U	423 U	NR	4160 U	NR	386 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	710 U	775 U	770 UJ	795 U	846 U	840 UJ	8310 U	850 UJ	771 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
2-NITROPHENOL	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	710 U	775 U	770 U	795 U	846 U	840 U	8310 U	850 U	771 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	710 U	775 U	770 U	795 U	846 U	840 U	8310 U	850 U	771 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
4-NITROPHENOL	UG/KG	NA	NA	NA	710 U	775 U	770 U	795 U	846 U	840 U	8310 U	850 U	771 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	1750 J	170 J	386 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	41 J	386 U
ANTHRACENE	UG/KG	100000	10000000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	2730 J	320 J	386 U
BENZIDINE	UG/KG	NA	NA	NA	350 U	387 U	380 UJ	397 U	423 U	420 UJ	4160 U	430 UJ	386 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	33 J	387 U	43 J	397 U	423 U	420 U	**5850**	600	386 U
BENZO(a)PYRENE	UG/KG	100000	660	660	26 J	387 U	25 J	397 U	423 U	420 U	**4080 J**	490	386 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	350 U	387 U	380 U	397 U	423 U	420 U	6220	700	386 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	2510 J	200 J	386 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	350 U	387 U	380 U	397 U	423 U	420 U	**2330 J**	340 J	386 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	350 U	387 U	380 UJ	397 U	423 U	420 UJ	4160 U	430 UJ	386 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	350 U	NR	380 U	NR	NR	420 U	NR	430 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	25 J	387 U	380 U	397 U	23.3 J	22 J	4160 U	22 J	21.6 J
CHRYSENE	UG/KG	500000	9000	40000	350 U	387 U	380 U	397 U	423 U	420 U	5190	660	386 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	350 U	387 U	380 U	397 UJ	423 UJ	420 U	4160 U	430 U	386 U

Table 5-12B

Analytical Results
Storage Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-R6-1-01 5/4/2000 0 - 2 ft.	SB-R6-1-02 7/26/2000 0 - 2 ft.	SB-R6-11-02 5/10/2000 0 - 1.25 ft.	SB-R6-11-03 7/27/2000 0 - 2 ft.	SB-S6-1-02 7/27/2000 0 - 1 ft.	SB-S6-1-05 5/10/2000 0 - 2 ft.	SB-S7-1-01 7/27/2000 0 - 1.5 ft.	SB-S7-1-02 5/10/2000 0 - 1 ft.	TP-P7-575-08 8/10/2000 2.5 - 4.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	350 U	387 U	380 U	397 U	423 U	420 U	**914 J**	430 U	386 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	15000	1800	386 U
FLUORENE	UG/KG	100000	2300000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	1750 J	200 J	386 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	350 U	387 U	380 U	397 U	423 U	420 U	**2470 J**	220 J	386 U
ISOPHORONE	UG/KG	50000	1100000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
NAPHTHALENE	UG/KG	100000	230000	4200000	350 U	387 U	380 U	397 U	423 U	420 U	682 J	32 J	386 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	710 U	775 U	770 U	795 U	846 U	840 U	8310 U	850 U	771 U
PHENANTHRENE	UG/KG	NA	NA	NA	21 J	387 U	380 U	397 U	423 U	420 U	15400	1300	386 U
PHENOL	UG/KG	50000	10000000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	4160 U	430 U	386 U
PYRENE	UG/KG	100000	1700000	10000000	350 U	387 U	380 U	397 U	423 U	420 U	11500	930	386 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8278-03 5/4/2000 0 - 1.5 ft.	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-I11-9301-05 5/9/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	250 U	250 U	240 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	250 U	250 U	240 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	NR	NR	250 U	250 U	240 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	250 U	250 U	240 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	250 U	250 U	240 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	500 U	500 U	480 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	500 U	500 U	480 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	250 U	250 U	240 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	500 U	500 U	480 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	500 U	500 U	480 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	396 U	370 U	250 U	590 J	500 J	1200 J
NITROCELLULOSE	MG/KG	NA	NA	NA	144	NR	NR	121	156	481	253
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	NR	NR	6100 U	21000	6100 U	11000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	500 U	500 U	480 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	500 U	500 U	480 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-2033-01 5/5/2000 0 - 1 ft.	SB-J10-9122-03 5/26/2000 0 - 1 ft.	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-J8-9220-02 5/9/2000 0 - 1.5 ft.	SB-J8-9220-05 5/9/2000 0 - 2 ft.	SB-J9-2-02 5/9/2000 0 - 1.5 ft.	SB-J9-6-01 7/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	370 U	240 U	250 U	250 U	250 U	238 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	240 U	250 U	250 U	250 U	238 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	240 U	250 U	250 U	250 U	238 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	**500000 J**	**12000**	250 U	250 U	238 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	240 U	250 U	250 U	250 U	238 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	370 U	300 J	500 U	500 U	500 U	476 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	730 U	1400 J	500 U	500 U	500 U	476 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	240 U	250 U	250 U	250 U	238 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	730 U	320 R	500 U	500 U	500 U	476 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	480 U	500 U	500 U	500 U	476 UJ
NITROBENZENE	UG/KG	10000	39000	510000	380 U	370 U	160 J	250 U	130 J	250 U	238 UJ
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	47500	166	81.5	63.7 J	195 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	5200 U	22000	18000	5500 U	11800 J
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	480 U	500 U	500 U	500 U	476 UJ
TETRYL	UG/KG	NA	780000	10000000	NR	NR	480 U	500 U	500 U	500 U	476 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J9-6-02 5/9/2000 0 - 2 ft.	SB-K7-2125-01 4/28/2000 0 - 2 ft.	SB-K7-2125-05 4/28/2000 0 - 2 ft.	SB-K7-2126-03 4/28/2000 0 - 2 ft.	SB-K7-2126-05 4/28/2000 0 - 1.5 ft.	SB-K7-2127-03 5/2/2000 0 - 1 ft.	SB-K7-2127-05 5/2/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	240 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	250 U	240 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	**130 J**	4400 R	290 R	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	**19000 J**	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	240 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	480 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 U	480 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	240 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	480 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 U	480 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	240 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	113 J	39.7 U	90.3	15900	353	126	39.5 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5600 U	6000 U	3400 J	**650000 D**	33000	11000	31000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 U	480 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 U	480 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K7-2132-03 4/28/2000 0 - 2 ft.	SB-K7-2132-05 4/28/2000 0 - 2 ft.	SB-K7-3-03 5/2/2000 0 - 0.5 ft.	SB-K7-F5-02 5/2/2000 0 - 1 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-1-05 4/28/2000 0 - 0.5 ft.	SB-K8-393-01 7/25/2000 0 - 1 ft.	SB-K8-393-05 4/28/2000 0 - 0.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	NR	**690**	250 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	**18000 J**	250 U	NR	**940 J**	250 U	**259 J**	**230 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	NR	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	NR	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	NR	500 U	500 U	500 UJ	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	400 U	250 U	250 U	250 UJ	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38.5 U	37 U	107	NR	2360	145	38.4 UJ	660
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	5200 U	5800 U	NR	10000	7800 U	4960 UJ	8500 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	NR	500 U	500 U	500 UJ	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-9207-02 5/5/2000 0 - 1.5 ft.	SB-K8-9207-04 7/25/2000 0 - 1.5 ft.	SB-K8-9212-02 5/9/2000 0 - 2 ft.	SB-K8-9212-07 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-01 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-04 7/25/2000 0 - 1 ft.	SB-K9-3-01 5/9/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	240 U	250 U	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	240 U	250 U	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	**4140**	240 U	250 U	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	**216 J**	240 U	250 U	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 R	**844 J**	240 U	250 U	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	480 U	500 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	480 U	500 U	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	150 R	533 R	240 U	250 U	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	480 U	500 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	500 UJ	480 U	500 U	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 UJ	240 U	250 U	410 U	427 U	420 U
NITROCELLULOSE	MG/KG	NA	NA	NA	54.9	165 J	106	106	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6200 U	13900 J	3600 J	5400 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 UJ	480 U	500 U	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	480 U	500 U	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K9-9203-01 5/4/2000 0 - 1 ft.	SB-K9-9203-07 5/4/2000 0 - 0.5 ft.	SB-K9-9204-01 5/4/2000 0 - 1.5 ft.	SB-K9-9204-05 5/4/2000 0 - 2 ft.	SB-L6-2128-03 4/28/2000 0 - 2 ft.	SB-L6-2128-05 4/28/2000 0 - 1 ft.	SB-L6-2129-03 5/2/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	230 U	250 U	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	230 U	170 R	170 R	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	290 R	250 U	250 U	250 U	1500 R	140 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	230 U	250 U	250 U	250 U	**130 J**	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	230 U	250 U	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	450 U	500 U	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	450 U	500 U	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	230 U	170 R	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	450 U	500 U	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	450 U	500 U	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	240 U	230 U	940	640 J	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	68.1	78.8	70.7	39.1 U	37.1 U	1780	37.3 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5800 U	**63000**	5600 U	5800 U	5700 U	**160000**	9400
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	450 U	500 U	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	480 U	450 U	500 U	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L6-2129-05 5/2/2000 0 - 1.5 ft.	SB-L7-1-01 8/2/2000 0 - 1.5 ft.	SB-L7-1-03 5/23/2000 0 - 1.5 ft.	SB-L7-2-02 5/9/2000 0 - 2 ft.	SB-L7-2130-01 5/11/2000 0 - 2 ft.	SB-L7-2130-06 5/11/2000 0 - 1 ft.	SB-L7-2131-04 5/2/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	240 U	136.9 U	140 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	240 U	136.9 U	140 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	740 R	NR	NR	240 U	**2273**	140 U	3700 R
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	**260 J**	NR	NR	240 U	136.9 U	**2400**	**7300 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	240 U	136.9 U	140 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	430 UJ	NR	480 U	273.7 U	290 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	480 U	273.7 U	290 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	240 U	136.9 U	140 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	861 UJ	NR	480 U	273.7 U	290 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	480 U	273.7 U	290 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	430 UJ	440 U	240 U	136.9 U	140 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	1120 J	NR	NR	38.8 U	3690	52.1 J	6260
NITROGLYCERIN	UG/KG	NA	46000	200000	**210000 J**	NR	NR	5800 U	**640000 D**	9600	**1200000 D**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	480 U	273.7 U	290 U	480 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	480 U	273.7 U	290 U	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L7-2131-05 5/2/2000 0 - 1.5 ft.	SB-L7-4-02 5/2/2000 0 - 2 ft.	SB-L7-6-01 5/5/2000 0 - 1 ft.	SB-L7-8115-02 5/5/2000 0 - 2 ft.	SB-L7-8115-04 7/25/2000 0 - 1 ft.	SB-L7-9206-01 5/23/2000 0 - 2 ft.	SB-L7-9206-02 8/2/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	NR	NR	NR	NR	220 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	NR	NR	NR	NR	220 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	430 R	NR	NR	NR	NR	220 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	NR	NR	NR	NR	220 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	NR	NR	NR	NR	220 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	430 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	NR	NR	NR	NR	430 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	NR	NR	NR	NR	220 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	430 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	NR	NR	NR	NR	430 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	440 U	470 U	370 U	404 U	220 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	498	NR	NR	NR	NR	65.7	80.8 J
NITROGLYCERIN	UG/KG	NA	46000	200000	**110000**	NR	NR	NR	NR	5500 U	4850 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	NR	NR	NR	NR	430 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	NR	NR	NR	NR	430 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L7-9315-01 5/23/2000 0 - 1.5 ft.	SB-L7-9315-02 8/2/2000 0 - 1 ft.	SB-L8-8215-01 5/4/2000 0 - 0.5 ft.	SB-L8-8235-01 5/4/2000 0 - 1 ft.	SB-L8-8235-02 7/25/2000 0 - 1 ft.	SB-L8-9202-01 5/4/2000 0 - 1 ft.	SB-L8-9202-07 5/4/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	185 U	250 U	NR	NR	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	185 U	250 U	NR	NR	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	185 U	250 U	NR	NR	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	185 U	250 U	NR	NR	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	185 U	250 U	NR	NR	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	370 U	500 U	NR	NR	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	370 U	500 U	NR	NR	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	185 U	250 U	NR	NR	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	370 U	500 U	NR	NR	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	370 U	500 U	NR	NR	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	185 U	250 U	440 U	413 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	63.9	95.1 J	66.1	NR	NR	37.3 U	37.5 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5900 U	6340 U	5500 U	NR	NR	5600 U	5400 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	370 U	500 U	NR	NR	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	370 U	500 U	NR	NR	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M6-1-01 5/5/2000 0 - 1 ft.	SB-M6-1-06 5/5/2000 0 - 1 ft.	SB-M6-1-07 5/5/2000 0 - 0.5 ft.	SB-M6-1-07 7/19/2000 0 - 0.5 ft.	SB-M6-1-11 5/5/2000 0 - 0.5 ft.	SB-M6-1-13 5/5/2000 0 - 0.5 ft.	SB-M6-1-14 5/5/2000 0 - 1 ft.	SB-M6-1-15 5/5/2000 0 - 0.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	340 R	NR	250 U	240 U	230 U	120 R
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	NR	250 U	240 U	230 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	108	79.4	NR	604	198	386	90.9	153
NITROGLYCERIN	UG/KG	NA	46000	200000	8400	5900 U	13000	NR	6800 U	4800 J	6100 U	6300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	NR	500 U	480 U	450 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M6-1-18 5/5/2000 0 - 2 ft.	SB-M7-1-01 5/23/2000 0 - 2 ft.	SB-M7-1-05 5/23/2000 0 - 1 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-04 5/11/2000 0 - 2 ft.	SB-M7-2-05 5/11/2000 0 - 1 ft.	SB-M7-2-11 5/11/2000 0 - 1.5 ft.	SB-M7-2-13 5/11/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	240 U	250 U	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	240 U	**260**	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	240 U	250 U	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	240 U	250 U	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	240 U	250 U	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	480 U	500 U	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	240 U	250 U	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	480 U	500 U	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	480 U	500 U	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	240 U	250 U	5200 U	410 U	4800 U	790 U	680 U
NITROCELLULOSE	MG/KG	NA	NA	NA	72.2	150	157	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6100 U	6100 U	6700 U	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	480 U	500 U	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	480 U	500 U	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M7-2-15 5/11/2000 0 - 2 ft.	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.	SB-M7-9205-01 5/23/2000 0 - 1.5 ft.	SB-M7-9205-05 5/23/2000 0 - 2 ft.	SB-M8-9201-01 5/5/2000 0 - 2 ft.	SB-M8-9201-10 5/5/2000 0 - 0.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	250 U	250 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	250 U	250 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	250 U	250 U	130 R	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	250 U	250 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	250 U	250 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	250 U	250 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	500 U	500 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	430 U	410 U	530 U	250 U	250 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	40.4 U	44.6	38.9 U	226
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	5700 U	14000	5500 U	12000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	500 U	500 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-3-01 7/25/2000 0 - 2 ft.	SB-N5-3-03 5/12/2000 0 - 1.5 ft.	SB-N5-533-01 7/25/2000 0 - 2 ft.	SB-N5-533-05 5/12/2000 0 - 2 ft.	SB-N5-581-01 5/12/2000 0 - 2 ft.	SB-N5-581-05 7/25/2000 0 - 1.5 ft.	SB-N5-582-02 5/12/2000 0 - 1.5 ft.	SB-N6-640-03 5/12/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	150 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	150 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	150 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	150 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	150 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	290 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	290 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	150 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	290 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	290 U
NITROBENZENE	UG/KG	10000	39000	510000	4230 U	390 U	398 U	420 U	400 U	394 U	4400 U	150 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	97.9
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	290 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	150 R

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N6-9208-03 5/2/2000 0 - 2 ft.	SB-N6-9208-04 5/2/2000 0 - 2 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-13 5/2/2000 0 - 1 ft.	SB-N7-2-14 5/2/2000 0 - 2 ft.	SB-N7-2-17 5/2/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	500 U	450 U	830 U	460 U	450 U	690 U
NITROCELLULOSE	MG/KG	NA	NA	NA	37.5 U	35.3 U	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5000 U	5300 U	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	NR	NR	NR	NR	NR	NR

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E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-394-01 5/2/2000 0 - 1.25 ft.	SB-N7-394-03 7/26/2000 0 - 2 ft.	SB-N7-5-02 5/5/2000 0 - 1 ft.	SB-N7-571-02 7/26/2000 0 - 1 ft.	SB-N7-571-03 5/5/2000 0 - 1.5 ft.	SB-N7-572-01 5/5/2000 0 - 2 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	227 U	250 U	240 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	227 U	250 U	240 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	227 U	250 U	240 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	NR	227 U	250 U	240 U	**240 J**
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	227 U	250 U	240 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	455 U	500 U	480 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	455 U	500 U	480 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	227 U	250 U	240 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	455 U	500 U	480 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	455 U	500 U	480 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	380 U	227 U	250 U	240 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	77.2	46.2 UJ	NR	45.9 UJ	74.7	365	105
NITROGLYCERIN	UG/KG	NA	46000	200000	6600 U	6550 U	NR	5930 U	6400 U	**62000**	6300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	455 U	500 U	480 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	NR	455 U	500 U	480 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-574-02 5/5/2000 0 - 2 ft.	SB-N7-574-03 7/26/2000 0 - 1 ft.	SB-N7-9222-01 7/26/2000 0 - 2 ft.	SB-N7-9222-06 5/5/2000 0 - 2 ft.	SB-N8-389-04 8/2/2000 0 - 1.5 ft.	SB-N8-389-05 4/28/2000 0 - 1 ft.	SB-O5-2-01 5/11/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	238 U	217 U	250 U	200 U	250 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	238 U	217 U	250 U	200 U	250 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	238 U	217 U	**390**	200 U	250 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	238 U	217 U	250 U	200 U	250 U	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	238 U	217 U	250 U	200 U	250 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	435 U	500 U	400 U	500 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	476 U	435 U	500 U	400 U	500 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	238 U	217 U	250 U	200 U	250 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	476 U	435 U	500 U	400 U	500 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	476 U	435 U	500 U	400 U	500 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	238 U	217 U	250 U	200 U	250 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	41.6 U	42.2 UJ	61.8 J	879	48 J	46.4 U	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5800 U	5980 U	5720 U	**110000**	5950 U	6600 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	476 U	435 U	500 U	400 U	500 U	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	476 U	435 U	500 U	400 U	500 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-2-04 7/25/2000 0 - 1 ft.	SB-O5-5-02 7/25/2000 0 - 1.5 ft.	SB-O5-5-03 5/11/2000 0 - 1.25 ft.	SB-O5-534-02 9/27/2000 0 - 1 ft.	SB-O5-534-04 5/11/2000 0 - 1 ft.	SB-O5-537-02 7/25/2000 0 - 1 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	227 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	227 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	227 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	227 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	227 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	455 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	455 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	227 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	455 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	455 U
NITROBENZENE	UG/KG	10000	39000	510000	374 U	379 U	390 U	470 U	440 U	227 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	100 J
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	7750
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	455 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	455 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-537-05 5/9/2000 0 - 2 ft.	SB-O5-578-02 7/25/2000 0 - 1 ft.	SB-O5-578-04 5/9/2000 0 - 1.5 ft.	SB-O5-579-01 7/25/2000 0 - 0.5 ft.	SB-O5-579-04 5/11/2000 0 - 1.5 ft.	SB-O5-580.5-02 5/11/2000 0 - 2 ft.	SB-O5-580.5-05 7/25/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	250 U	230 U	250 U	150 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	250 U	230 U	250 U	150 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 U	250 U	230 U	250 U	150 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	250 U	230 U	**3200 J**	150 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	250 U	230 U	250 U	150 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	450 U	500 U	300 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	500 U	450 U	500 U	300 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	250 U	230 U	250 U	150 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	500 U	450 U	500 U	300 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	500 U	450 U	500 U	300 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	240 U	250 U	230 U	250 U	150 U	400 U	383 U
NITROCELLULOSE	MG/KG	NA	NA	NA	43.3 U	45.1 UJ	45.6 U	312 J	41.3 U	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	6250 UJ	6500 U	8810 U	5900 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	500 U	450 U	500 U	300 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	500 U	450 U	500 U	300 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-580.75-04 7/25/2000 0 - 1 ft.	SB-O5-580.75-05 5/11/2000 0 - 1.5 ft.	SB-O5-6-02 5/10/2000 0 - 2 ft.	SB-O5-6-03 7/25/2000 0 - 1 ft.	SB-O6-1-02 5/10/2000 0 - 1 ft.	SB-O6-577-01 7/25/2000 0 - 1 ft.	SB-O6-577-03 5/10/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	238 U	150 U	151.7 U	250 U	NR	250 U	157.8 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	238 U	150 U	151.7 U	250 U	NR	250 U	157.8 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	238 U	150 U	151.7 U	250 U	NR	250 U	157.8 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	238 U	150 U	151.7 U	250 U	NR	250 U	157.8 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	238 U	150 U	151.7 U	250 U	NR	250 U	157.8 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	290 U	303.4 U	500 U	NR	500 U	315.7 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	476 U	290 U	303.4 U	500 U	NR	500 U	157.8 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	238 U	160 R	151.7 U	250 U	NR	250 U	157.8 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	476 U	290 U	303.4 U	500 U	NR	500 U	315.7 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	476 U	290 U	303.4 U	500 U	NR	500 U	315.7 U
NITROBENZENE	UG/KG	10000	39000	510000	238 U	150 U	151.7 U	250 U	460 U	250 U	157.8 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38.5 UJ	39.4 U	43.2 U	39.9 UJ	NR	42.1 UJ	44.2 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5410 U	5700 U	6100 U	5680 UJ	NR	5690 U	6300 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	476 U	290 U	303.4 U	500 U	NR	500 U	315.7 U
TETRYL	UG/KG	NA	780000	10000000	476 U	290 U	303.4 U	500 U	NR	500 U	315.7 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O6-649-02 5/10/2000 0 - 1.5 ft.	SB-O6-649-03 7/25/2000 0 - 1 ft.	SB-O6-650-01 7/25/2000 0 - 0.5 ft.	SB-O6-650-03 5/10/2000 0 - 1.5 ft.	SB-O6-9223-06 5/9/2000 0 - 1.25 ft.	SB-O6-9223-07 5/9/2000 0 - 1.5 ft.	SB-O6-9224-03 5/9/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	139.2 U	238 U	250 U	137.7 U	250 U	250 U	220 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	139.2 U	238 U	250 U	137.7 U	250 U	250 U	220 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	139.2 U	238 U	250 U	137.7 U	250 U	**1300**	**300**
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	139.2 U	238 U	250 U	137.7 U	250 U	**650**	220 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	139.2 U	238 U	250 U	137.7 U	250 U	250 U	220 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	278.4 U	476 U	500 U	275.3 U	500 U	500 U	430 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	278.4 U	476 U	500 U	275.3 U	500 U	500 U	430 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	139.2 U	238 U	250 U	137.7 U	250 U	250 U	220 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	278.4 U	476 U	500 U	275.3 U	500 U	500 U	430 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	278.4 U	476 U	500 U	275.3 U	500 U	500 U	430 U
NITROBENZENE	UG/KG	10000	39000	510000	139.2 U	238 U	250 U	137.7 U	250 U	250 U	220 U
NITROCELLULOSE	MG/KG	NA	NA	NA	38.7 U	58.8 J	41.6 UJ	38.8 U	36.2 U	39.6 U	203
NITROGLYCERIN	UG/KG	NA	46000	200000	5700 U	4940 U	5790 U	5500 U	5400 U	5600 U	**70000**
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	278.4 U	476 U	500 U	275.3 U	500 U	2500	430 U
TETRYL	UG/KG	NA	780000	10000000	278.4 U	476 U	500 U	275.3 U	500 U	500 U	430 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O6-9224-06 5/9/2000 0 - 1.5 ft.	SB-O7-1-01 7/26/2000 0 - 2 ft.	SB-O7-1-03 5/9/2000 0 - 2 ft.	SB-O7-2-01 7/26/2000 0 - 1 ft.	SB-O7-2-02 5/4/2000 0 - 2 ft.	SB-O7-391-02 7/26/2000 0 - 1 ft.	SB-O7-391-03 5/5/2000 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	250 U	250 U	240 U	250 U	250 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	500 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	500 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	500 U	500 U	480 U	500 U	500 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	250 U	250 U	240 U	250 U	250 U
NITROCELLULOSE	MG/KG	NA	NA	NA	36.8 U	45.3 UJ	40.7 U	42.4 UJ	40.4 U	45.1 UJ	41.6 U
NITROGLYCERIN	UG/KG	NA	46000	200000	5200 U	6420 U	6200 U	6010 U	5900 U	6130 U	5900 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	500 U
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	500 U	500 U	480 U	500 U	500 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-395-02 5/5/2000 0 - 1 ft.	SB-O7-395-03 7/26/2000 0 - 1 ft.	SB-O7-396-02 5/10/2000 0 - 2 ft.	SB-O7-396-03 7/26/2000 0 - 2 ft.	SB-O7-576-02 5/10/2000 0 - 1.5 ft.	SB-O7-615E-01 5/5/2000 0 - 2 ft.	SB-O7-615E-04 7/26/2000 0 - 1.25 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	135 U	250 U	162.5 U	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	135 U	250 U	162.5 U	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	135 U	250 U	162.5 U	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 U	250 U	135 U	250 U	162.5 U	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	135 U	250 U	162.5 U	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	270 U	500 U	325.1 U	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	270 U	500 U	325.1 U	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	135 U	250 U	162.5 U	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	270 U	500 U	325.1 U	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	270 U	500 U	325.1 U	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	135 U	161 R	162.5 U	390 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	87.4	151 J	38.8 U	89.5 J	79	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	6600 U	5540 J	5300 U	5970 U	6500 U	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	270 U	500 U	325.1 U	NR	NR
TETRYL	UG/KG	NA	780000	10000000	500 U	500 U	270 U	500 U	325.1 U	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-3-04 5/4/2000 0 - 1 ft.	SB-O8-3-06 5/4/2000 0 - 2 ft.	SB-O8-3-09 5/4/2000 0 - 1.25 ft.	SB-O8-3-12 5/4/2000 0 - 2 ft.	SB-O8-3-13 5/4/2000 0 - 1 ft.	SB-O8-3-15 5/4/2000 0 - 2 ft.	SB-O8-3-18 5/4/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	240 U	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	240 U	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**310 J**	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	240 U	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	240 U	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	480 U	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	240 U	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	480 U	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	200 R	460 U	410 U	380 U	380 U	460 U	390 U	430 U
NITROCELLULOSE	MG/KG	NA	NA	NA	1160	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	4000 J	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	480 U	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	480 U	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-3-20 5/4/2000 0 - 1.5 ft.	SB-O8-392-02 5/2/2000 0 - 2 ft.	SB-O8-732-01 5/4/2000 0 - 2 ft.	SB-O8-732-04 7/26/2000 0 - 2 ft.	SB-P5-2-01 5/11/2000 0 - 2 ft.	SB-P5-2-03 7/26/2000 0 - 1.5 ft.	SB-P5-3-01 7/26/2000 0 - 2 ft.	SB-P5-3-02 5/11/2000 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	**1700 J**	250 U	250 UJ	167.8 U	250 UJ	250 UJ	151.3 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	335.6 U	500 U	500 U	302.7 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	500 U	335.6 U	500 U	500 U	302.7 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 U	335.6 U	500 U	500 U	302.7 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	500 U	335.6 U	500 U	500 U	302.7 U
NITROBENZENE	UG/KG	10000	39000	510000	400 U	250 U	250 U	250 U	167.8 U	250 U	250 U	151.3 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	211	43.5 U	143 J	46.5 U	40 UJ	40.7 UJ	41.6 U
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	6200 U	6100 U	2930 J	6700 U	5320 U	5760 U	6100 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	500 U	335.6 U	500 U	500 U	302.7 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	500 UJ	335.6 U	500 UJ	500 UJ	302.7 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P5-535-04 5/11/2000 0 - 1 ft.	SB-P5-536-01 5/9/2000 0 - 2 ft.	SB-P6-541-01 7/26/2000 0 - 1 ft.	SB-P6-541-05 5/10/2000 0 - 2 ft.	SB-P6-651-02 5/4/2000 0 - 1 ft.	SB-P6-651-04 7/26/2000 0 - 1 ft.	SB-P6-9225-03 5/4/2000 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	175.8 U	250 U	238 U	154.2 U	250 U	250 U	240 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	175.8 U	250 U	238 U	154.2 U	250 U	250 U	240 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	**967.4 J**	250 U	238 U	154.2 U	250 U	250 U	240 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	175.8 U	250 U	238 U	154.2 U	250 U	250 UJ	240 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	175.8 U	250 U	238 U	154.2 U	250 U	250 U	240 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	351.6 U	500 U	476 U	308.3 U	500 U	500 U	480 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	351.6 U	500 U	476 U	308.3 U	500 U	500 U	480 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	175.8 U	250 U	238 U	154.2 U	250 U	250 U	240 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	351.6 U	500 U	476 U	308.3 U	500 U	500 U	480 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	351.6 U	500 U	476 U	308.3 U	500 U	500 U	480 U
NITROBENZENE	UG/KG	10000	39000	510000	93.6 J	250 U	238 U	154.2 U	250 U	250 U	240 U
NITROCELLULOSE	MG/KG	NA	NA	NA	3130	39.6 U	42.4 UJ	44.8 U	39 U	60 J	419
NITROGLYCERIN	UG/KG	NA	46000	200000	7000 U	5600 U	5750 UJ	6200 U	5600 U	5420 U	13000
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	351.6 U	500 U	476 U	308.3 U	500 U	500 U	480 U
TETRYL	UG/KG	NA	780000	10000000	351.6 U	500 U	476 U	308.3 U	500 U	500 UJ	480 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P6-9225-05 5/4/2000 0 - 2 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.	SB-P7-575-01 5/9/2000 0 - 2 ft.	SB-P7-575-04 5/9/2000 0 - 1 ft.	SB-P7-9209-03 5/10/2000 0 - 2 ft.	SB-P7-9209-06 5/10/2000 0 - 1.25 ft.	SB-Q4-2-03 5/10/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	250 U	240 U	140.3 U	141.6 U	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	250 U	240 U	140.3 U	141.6 U	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	250 U	240 U	140.3 U	141.6 U	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 U	250 U	240 U	140.3 U	**91 J**	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	250 U	240 U	140.3 U	141.6 U	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	250 U	240 U	140.3 U	141.6 U	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR
NITROBENZENE	UG/KG	10000	39000	510000	380 U	250 U	250 U	240 U	140.3 U	141.6 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	41.2 U	38 U	39.5 U	408	64.1	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5700 U	5500 U	5700 U	5300 U	4100 J	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR
TETRYL	UG/KG	NA	780000	10000000	NR	500 U	500 U	480 U	280.6 U	283.3 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-Q06-1-01 10/6/1999 0 - 2 ft.	SB-Q6-584-01 7/26/2000 0 - 1 ft.	SB-Q6-584-02 5/10/2000 0 - 1 ft.	SB-Q6-8-03 5/4/2000 0 - 1 ft.	SB-Q6-8-05 7/26/2000 0 - 0.5 ft.	SB-Q6-9311-01 9/27/2000 0 - 1 ft.	SB-Q6-9311-0 7/13/2000 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	250 U	141.5 U	250 U	250 U	100 U	179 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	250 U	141.5 U	250 U	250 U	100 U	179 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	250 U	141.5 U	250 U	**501 J**	100 U	179 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	250 UJ	141.5 U	250 U	250 UJ	100 U	179 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	250 U	141.5 U	250 U	250 U	100 U	179 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	282.9 U	500 U	500 U	200 U	357 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	500 U	282.9 U	500 U	500 U	200 U	357 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	250 U	141.5 U	250 U	250 U	100 U	179 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	500 U	282.9 U	500 U	500 U	200 U	357 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	500 U	282.9 U	500 U	500 U	200 U	357 U
NITROBENZENE	UG/KG	10000	39000	510000	420 U	250 U	141.5 U	250 U	142 R	100 U	179 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	58.6 J	40.6 U	38.1 U	377 J	33.3 U	39.3
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	5250 U	11000	5400 U	43900	5420 U	5258 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	500 U	282.9 U	500 U	500 U	200 U	357 U
TETRYL	UG/KG	NA	780000	10000000	NR	500 UJ	282.9 U	500 U	500 UJ	200 U	357 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-R5-1-01 5/4/2000 0 - 1.25 ft.	SB-R5-1-03 7/26/2000 0 - 1 ft.	SB-R5-2-01 5/4/2000 0 - 1 ft.	SB-R5-2-03 5/4/2000 0 - 1 ft.	SB-R5-2-05 5/4/2000 0 - 1 ft.	SB-R6-1-01 5/4/2000 0 - 2 ft.	SB-R6-1-02 7/26/2000 0 - 2 ft.	SB-R6-11-02 5/10/2000 0 - 1.25 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	370 U	409 U	430 U	450 U	460 U	350 U	387 U	380 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12C

Analytical Results
Storage Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-R6-11-03 7/27/2000 0 - 2 ft.	SB-S6-1-02 7/27/2000 0 - 1 ft.	SB-S6-1-05 5/10/2000 0 - 2 ft.	SB-S7-1-01 7/27/2000 0 - 1.5 ft.	SB-S7-1-02 5/10/2000 0 - 1 ft.	TP-P7-575-08 8/10/2000 2.5 - 4.5 ft.
Energetics & Explosives										
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	250 U	250 U	NR	250 U	160.1 U	179 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 U	250 U	NR	250 U	160.1 U	179 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	250 U	250 U	NR	250 U	160.1 U	179 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	250 UJ	250 UJ	NR	250 UJ	160.1 U	179 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	250 U	250 U	NR	250 U	160.1 U	179 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	500 U	320.1 U	357 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	500 U	500 U	NR	500 U	320.1 U	357 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	250 U	250 U	NR	250 U	160.1 U	179 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	500 U	500 U	NR	500 U	320.1 U	357 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	500 U	500 U	NR	500 U	320.1 U	357 U
NITROBENZENE	UG/KG	10000	39000	510000	250 U	250 U	420 U	250 U	160.1 U	179 U
NITROCELLULOSE	MG/KG	NA	NA	NA	151 J	48.3 J	NR	43.7 UJ	44.4 U	39.5 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	5890 U	6450 U	NR	6460 U	6200 U	5790 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	500 U	500 U	NR	500 U	320.1 U	357 U
TETRYL	UG/KG	NA	780000	10000000	500 UJ	500 UJ	NR	500 UJ	320.1 U	357 U

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ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-12D

Analytical Results
Storage Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-3-01 5/5/2000 0 - 1 ft.	SB-L7-5-01 5/2/2000 0 - 1 ft.	SB-N7-4-01 5/5/2000 0 - 2 ft.	SB-O6-3-01 5/10/2000 0 - 1.5 ft.
Polychlorinated Biphenyls								
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	19 U	23 U	24 U	19 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	37 U	45 U	46 U	38 U
TOTAL PCBS	UG/KG	50000	490	2000	37 U	45 U	46 U	38 U

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-I11-8278-03 5/4/2000 0 - 1.5 ft.	SB-I11-9301-02 7/25/2000 0 - 1 ft.	SB-I11-9301-05 5/9/2000 0 - 1 ft.	SB-J10-2-03 5/5/2000 0 - 2 ft.	SB-J10-2-04 5/5/2000 0 - 0.5 ft.	SB-J10-2-08 5/5/2000 0 - 1 ft.	SB-J10-2-11 5/5/2000 0 - 1.5 ft.	SB-J10-2033-01 5/5/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.62 UN	0.986 U	0.66 UN	2	2.4	1.8	5.5	1.5
ARSENIC	MG/KG	NA	20	20	8.1	**20.7**	18.7 N	**180 N**	**154 N**	**53.9 N**	**420 N**	**47.5 N**
BERYLLIUM	MG/KG	NA	2	2	0.41	0.367 J	0.34	0.42	0.49	0.4	0.3	0.38
CADMIUM	MG/KG	NA	39	100	0.58	1.57	0.27 B	0.43	0.87	0.65	0.49	1.3
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.6	17.7	13.2	14.9	20	15.3	8.8	9.6
COPPER	MG/KG	NA	600	600	46 J	33.7	22.3	32.7 N	213 N	63.2 N	53.6 N	73.5 N
LEAD	MG/KG	NA	400	600	58.3	92.2	109	39.3	99.2	92.6	72	**524**
MERCURY	MG/KG	NA	14	270	0.4 J	4.13	1.1	0.22	0.13	0.19	0.21	1.5
NICKEL	MG/KG	NA	250	2400	8.4 J	13.3 J	7.9	11.6	15.6	11.8	8.9	9.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	2.7 N	3.2	0.98 N	1.3 N	0.91 N	2.4 N	1.4 N	2.2 N
SILVER	MG/KG	NA	110	4100	0.31 U	0.493 U	0.33 U	0.34 U	0.18 B	0.14 B	0.12 B	0.15 B
THALLIUM	MG/KG	NA	2	2	1 UN	1.64 U	1.1 U	1.1 UN	1.1 UN	1.2 UN	1.1 UN	1.1 UN
ZINC	MG/KG	NA	1500	1500	56.8	131 J	119	40.9	1240	49.1	28	234

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J10-9334-01 5/5/2000 0 - 0.5 ft.	SB-J9-2-02 5/9/2000 0 - 1.5 ft.	SB-K7-3-03 5/2/2000 0 - 0.5 ft.	SB-K7-F5-02 5/2/2000 0 - 1 ft.	SB-K8-1-01 4/28/2000 0 - 1 ft.	SB-K8-1-05 4/28/2000 0 - 0.5 ft.	SB-K8-393-01 7/25/2000 0 - 1 ft.	SB-K8-393-05 4/28/2000 0 - 0.5 ft.	SB-K8-9212-02 5/9/2000 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.44 B	0.64 UN	0.7 U	0.65 U	0.63 BN	0.62 BN	0.519 U	1.8 N	0.7 UN
ARSENIC	MG/KG	NA	20	20	4.7 N	6.6 N	5.3 N	4 J	**248**	9.4	4.15	18.3	19.7 N
BERYLLIUM	MG/KG	NA	2	2	0.3	0.59	0.8	0.71	0.68	1.4	0.777 J	1.1	0.44
CADMIUM	MG/KG	NA	39	100	1.6	0.12 B	0.72	0.46	0.38 U	0.1 B	0.846	0.43 U	0.07 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21.1	13.3	21.1	15.2	17.3	16.3	23	16	14.7
COPPER	MG/KG	NA	600	600	95.5 N	31	37.4 J	18.2 J	45.1 N	18.7 N	36.8	69.3 N	16
LEAD	MG/KG	NA	400	600	185	45	9.2 J	20.5 J	233	95.3	9.42	182	32.5
MERCURY	MG/KG	NA	14	270	1.3	0.09	0.04	0.12	0.33	0.18	0.05	1.9	0.07
NICKEL	MG/KG	NA	250	2400	11.2	10.9	11.7	9.6	11.5	12.5	12.2 J	12.1	9.7
pH	PH	NA	NA	NA	NR	2.92	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.6 N	1 N	0.86 N	0.53 BN	0.63 U	1.2	0.921	2	1.1 N
SILVER	MG/KG	NA	110	4100	0.07 B	0.32 U	0.35 U	0.33 U	0.38 U	0.11 B	0.259 U	0.35 B	0.35 U
THALLIUM	MG/KG	NA	2	2	0.91 UN	1.1 U	1.2 UN	1.1 UN	0.79 B	0.73 B	0.865 U	1.2 B	1.2 U
ZINC	MG/KG	NA	1500	1500	303	78.6	53.1	93.2	92.6	137	53.1 J	109	49

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-K8-9212-07 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-01 5/9/2000 0 - 1.5 ft.	SB-K8-9212A-04 7/25/2000 0 - 1 ft.	SB-K9-3-01 5/9/2000 0 - 1.5 ft.	SB-L7-1-01 8/2/2000 0 - 1.5 ft.	SB-L7-1-03 5/23/2000 0 - 1.5 ft.	SB-L7-2-02 5/9/2000 0 - 2 ft.	SB-L7-4-02 5/2/2000 0 - 2 ft.	SB-L7-6-01 5/5/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	6.6 UN	0.69 UN	0.771 U	0.71 UN	0.657 U	0.76 UN	0.64 UN	0.66 U	0.84 UN
ARSENIC	MG/KG	NA	20	20	**28.6 N**	15.7 N	14.4	7.4 N	7.38	8.9 N	2.6 N	4.4 J	13.4
BERYLLIUM	MG/KG	NA	2	2	0.64 B	0.61	0.573 J	0.69	0.735	0.67	0.59	0.87	0.71
CADMIUM	MG/KG	NA	39	100	3.3 U	0.04 B	0.691	0.06 B	0.602	0.23 B	0.32 U	0.45	0.27 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12.4	16.1	21.1	18.5	19	20.3	11.3	14.9	18.1
COPPER	MG/KG	NA	600	600	6.6	17.6	15.7	11.3	15.2	13.1 J	7.2	11.3 J	15.9
LEAD	MG/KG	NA	400	600	24.1	34.6	34.5	24.6	34.3	30.7 J	9	19.9 J	40
MERCURY	MG/KG	NA	14	270	0.27	0.11	0.137	0.07	0.098 U	0.07 J	0.04 U	0.13	0.13
NICKEL	MG/KG	NA	250	2400	5 B	10.5	12 J	11	11.5	7.9	6.6	9.3	12.6
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	4.2 BN	1.5 N	1.94	0.97 N	1.17	0.79	0.77 N	0.65 N	0.96 N
SILVER	MG/KG	NA	110	4100	3.3 U	0.34 U	0.385 U	0.36 U	0.329 U	0.09 B	0.32 U	0.13 B	0.12 B
THALLIUM	MG/KG	NA	2	2	11 U	1.1 U	1.29 U	1.2 U	1.095 U	1.3 U	1.1 U	1.1 UN	1.4 UN
ZINC	MG/KG	NA	1500	1500	24.3	88.5	85.2 J	50.1	150	103	58.3	93.2	93.5 J

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-L7-8115-02 5/5/2000 0 - 2 ft.	SB-L7-8115-04 7/25/2000 0 - 1 ft.	SB-L8-8215-01 5/4/2000 0 - 0.5 ft.	SB-L8-8235-01 5/4/2000 0 - 1 ft.	SB-L8-8235-02 7/25/2000 0 - 1 ft.	SB-M6-1-06 5/5/2000 0 - 1 ft.	SB-M7-2-02 5/11/2000 0 - 1 ft.	SB-M7-2-04 5/11/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.46 BN	0.562 U	0.66 UN	0.77 UN	0.589 UJ	1.1 N	3.1 N	0.67 UJ
ARSENIC	MG/KG	NA	20	20	6.4	5.42	5.3	7.4	9.18 J	**161**	**20.8**	**28.6**
BERYLLIUM	MG/KG	NA	2	2	0.47	0.742 J	0.31	0.8	0.91 J	0.8	0.56	0.47
CADMIUM	MG/KG	NA	39	100	0.35	0.725	0.53	0.67	0.844	0.29 B	2.9	0.12 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	9.6	20.9	12.8	19.7	23.9	16.8	45.8	16.2
COPPER	MG/KG	NA	600	600	15.8	19.2	10.5 J	17.8 J	17.7	50.6	**636 N**	42.5 J
LEAD	MG/KG	NA	400	600	7.8	34.6	32.8	40.7	40.5	53.5	**806**	36.9
MERCURY	MG/KG	NA	14	270	0.02 B	0.093	0.04 J	0.11 J	0.108	0.15	2.7	0.09
NICKEL	MG/KG	NA	250	2400	12.8	11.9 J	6.2 J	12 J	16.1 J	17.5	136	18.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.55 UN	0.833	0.49 BN	1.2 N	1.5 J	1.3 N	1.4	1.5
SILVER	MG/KG	NA	110	4100	0.33 U	0.281 U	0.33 U	0.39 U	0.295 U	0.32 U	0.59	0.34 U
THALLIUM	MG/KG	NA	2	2	1.1 UN	0.936 U	1.1 UN	1.3 UN	0.982 UJ	1.1 UN	1.5 U	1.1 U
ZINC	MG/KG	NA	1500	1500	92.2 J	97.6 J	73.6	197	101 J	52.9 J	**1720**	24.9

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M7-2-05 5/11/2000 0 - 1 ft.	SB-M7-2-11 5/11/2000 0 - 1.5 ft.	SB-M7-2-13 5/11/2000 0 - 1 ft.	SB-M7-2-15 5/11/2000 0 - 2 ft.	SB-M7-2-18 5/11/2000 0 - 1.5 ft.	SB-M7-2-20 5/11/2000 0 - 2 ft.	SB-N5-3-01 7/25/2000 0 - 2 ft.	SB-N5-3-03 5/12/2000 0 - 1.5 ft.	SB-N5-533-01 7/25/2000 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	**19.9 N**	1.4 UN	1.5 N	4.1 N	8.4 N	12.5 N	0.754 UJ	0.67 UN	0.497 UJ
ARSENIC	MG/KG	NA	20	20	**72.5**	11.9	14.7	**417**	**100**	**43.7**	7.54	4.8 J	3.83
BERYLLIUM	MG/KG	NA	2	2	0.69 B	0.74	0.31	0.38	0.41	0.47	0.532	0.54 J	0.428
CADMIUM	MG/KG	NA	39	100	2.4 B	0.47 B	0.5 B	0.69	0.21 B	2.6	0.124 U	0.25 UJ	0.141 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	286	19.9	13.7	12.9	13.7	22.4	17.3	20.3 J	10.7
COPPER	MG/KG	NA	600	600	**9520 N**	14 N	24.7 N	34.3 N	58.2 N	**701 N**	20.7	13.2 J	10.2
LEAD	MG/KG	NA	400	600	**1980**	51.2	120	44.2	280	**1790**	64.4	16.8 J	187
MERCURY	MG/KG	NA	14	270	0.5	NR	0.32	0.14	0.5	2.2	0.166 J	0.03 U	0.099 J
NICKEL	MG/KG	NA	250	2400	**1380**	5.8	7.6	11.8	15.1	47.4	11	13.1 J	5.79
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	6.6 U	2.9	3.3	1.3	1.9	1.6	1.61	0.58 N	1.05 J
SILVER	MG/KG	NA	110	4100	2.1 B	0.7 U	0.34 B	0.12 B	0.25 B	0.54	0.377 U	0.33 U	0.249 U
THALLIUM	MG/KG	NA	2	2	13.3 U	2.3 U	1.9 U	1.2 U	1.2 U	1.5 U	1.26 U	1.1 U	0.981
ZINC	MG/KG	NA	1500	1500	**1940**	122	68.3	63.5	81.8	1040	78	98.3 J	156

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N5-533-05 5/12/2000 0 - 2 ft.	SB-N5-581-01 5/12/2000 0 - 2 ft.	SB-N5-581-05 7/25/2000 0 - 1.5 ft.	SB-N5-582-02 5/12/2000 0 - 1.5 ft.	SB-N6-640-03 5/12/2000 0 - 1 ft.	SB-N7-2-06 5/2/2000 0 - 1 ft.	SB-N7-2-07 5/2/2000 0 - 1 ft.	SB-N7-2-10 5/2/2000 0 - 1 ft.	SB-N7-2-13 5/2/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.66 UN	0.54 UN	0.642 UJ	11.4 N	1 N	4.3 U	7.6 B	1.5	0.79 U
ARSENIC	MG/KG	NA	20	20	12 J	4.3 J	5.65	12.9 J	**223 J**	**81.6 J**	**108 J**	**34.8 J**	18.7 J
BERYLLIUM	MG/KG	NA	2	2	0.49 J	0.74 J	0.555	0.53 J	1.4 J	0.68 B	0.48 B	0.44	0.7
CADMIUM	MG/KG	NA	39	100	0.26 UJ	0.53	0.321 U	1.1 B	1.1	0.73 B	3.8 U	2.7	0.86
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	23.2 J	20.5 J	19.4	17.9 J	25.7 J	57.8	60.2	23.1	13.3
COPPER	MG/KG	NA	600	600	12.6 J	10.4 J	16.6	22.7 J	35.3 J	62.1 J	180 J	40.9 J	17.7 J
LEAD	MG/KG	NA	400	600	67.3 J	17 J	19.8	225 J	127 J	210 J	**942 J**	95.5 J	59 J
MERCURY	MG/KG	NA	14	270	0.04 U	0.07	0.066 J	0.28	0.36 J	0.23	0.23	0.26	0.08
NICKEL	MG/KG	NA	250	2400	11.8 J	9.7 J	12.4	11.3 J	17.1 J	29.9	157	24.2	11.1
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.64 N	0.45 UN	1.27	3.2 UN	0.57 N	3.5 BN	5.1 BN	2.5 N	0.96 N
SILVER	MG/KG	NA	110	4100	0.33 U	0.27 U	0.321 U	0.42 B	0.2 B	0.74 B	3.8 U	0.32 B	0.39 U
THALLIUM	MG/KG	NA	2	2	1.1 U	0.9 U	1.57	6.4 U	1.1 U	7.1 UN	12.8 UN	2.1 UN	1.3 UN
ZINC	MG/KG	NA	1500	1500	150 J	96.8 J	75.9	80.4 J	605 J	452	490	282	121

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-2-14 5/2/2000 0 - 2 ft.	SB-N7-2-17 5/2/2000 0 - 1 ft.	SB-N7-394-01 5/2/2000 0 - 1.25 ft.	SB-N7-394-03 7/26/2000 0 - 2 ft.	SB-N7-5-02 5/5/2000 0 - 1 ft.	SB-N7-571-02 7/26/2000 0 - 1 ft.	SB-N7-571-03 5/5/2000 0 - 1.5 ft.	SB-N7-572-01 5/5/2000 0 - 2 ft.	SB-N7-573-01 5/4/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.68 U	3.9	0.79 U	0.339 J	0.59 BN	0.59 J	0.76 UN	0.74 UN	0.5 J
ARSENIC	MG/KG	NA	20	20	3.1 J	16.9 J	4.7 J	7.02	8	7.57	7.9	7.2	**32.7**
BERYLLIUM	MG/KG	NA	2	2	0.69	0.57	0.65	0.925	0.79	0.546	0.5	0.48	0.45
CADMIUM	MG/KG	NA	39	100	0.33 B	1	0.32 B	0.193 U	0.26 B	0.251 U	0.14 B	0.17 B	0.84
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.9	17.6	10.9	15.6	9.6	22.9	17.3	14.8	17
COPPER	MG/KG	NA	600	600	13.2 J	69.9 J	11.5 J	15.5	16.1	17.6	14.8	10.3	58.5 J
LEAD	MG/KG	NA	400	600	12.3 J	**629 J**	22.9 J	45.2	75.7	47.2	20	15.9	274
MERCURY	MG/KG	NA	14	270	0.05	0.37	0.09	0.12 J	0.17	0.078 J	0.05	0.05	0.42 J
NICKEL	MG/KG	NA	250	2400	9.5	11.7	7.1	10.6	7	12.4	9.7	7.5	16.5 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	4.5	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.84 N	2.9 N	0.86 N	1.37	1.3 N	0.683	0.63 UN	0.62 N	2 J
SILVER	MG/KG	NA	110	4100	0.34 U	0.32 B	0.4 U	0.32 U	0.1 B	0.251 U	0.38 U	0.37 U	0.16 B
THALLIUM	MG/KG	NA	2	2	1.1 UN	1.9 UN	1.3 UN	0.574 J	1 UN	1.43	1.3 UN	1.2 UN	1.2 UJ
ZINC	MG/KG	NA	1500	1500	91.2	106	51.3	82.1	69.4 J	67.7	77.3 J	70 J	66.9

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N7-574-02 5/5/2000 0 - 2 ft.	SB-N7-574-03 7/26/2000 0 - 1 ft.	SB-O5-2-01 5/11/2000 0 - 2 ft.	SB-O5-2-04 7/25/2000 0 - 1 ft.	SB-O5-5-02 7/25/2000 0 - 1.5 ft.	SB-O5-5-03 5/11/2000 0 - 1.25 ft.	SB-O5-534-02 9/27/2000 0 - 1 ft.	SB-O5-534-02 9/27/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.62 UJ	0.569 UJ	0.61 UN	0.556 UJ	0.528 UJ	0.65 UN	0.696 U	N
ARSENIC	MG/KG	NA	20	20	3.4	4.03	4 J	12.3	5.86	4.3 J	7.36	N
BERYLLIUM	MG/KG	NA	2	2	0.72	0.663	0.6 J	0.561	0.513	0.48 J	1.2 J	N
CADMIUM	MG/KG	NA	39	100	0.18 B	0.285 U	0.1 UJ	0.278 U	0.264 U	0.15 UJ	0.144 B	N
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.1	14.9	18.4 J	17.8	14.1	35 J	13.8	N
COPPER	MG/KG	NA	600	600	14.1	23.4	12.7 J	24.9	17.2	13.9 J	15.4	N
LEAD	MG/KG	NA	400	600	7.4	16	11.8 J	34.4	37.5	11.1 J	65.5 J	N
MERCURY	MG/KG	NA	14	270	0.04 U	0.024 J	0.04 B	0.053 J	0.052 J	0.06	0.253	N
NICKEL	MG/KG	NA	250	2400	9.7	10.8	22.9 J	13	9.67	17.6 J	5.61	N
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.35 UJ	0.698	0.51 UN	0.891	0.988	0.54 UN	0.626 B	N
SILVER	MG/KG	NA	110	4100	0.31 U	0.285 U	0.3 U	0.278 U	0.264 U	0.33 U	0.392 B	N
THALLIUM	MG/KG	NA	2	2	1 UJ	1.47	0.54 B	1.06	1.41	1.1 U	1.39 U	N
ZINC	MG/KG	NA	1500	1500	69.7 J	81.8	81.8 J	112	95.1	101 J	66.5	N

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O5-580.5-02 5/11/2000 0 - 2 ft.	SB-O5-580.5-05 7/25/2000 0 - 1 ft.	SB-O5-6-02 5/10/2000 0 - 2 ft.	SB-O5-6-03 7/25/2000 0 - 1 ft.	SB-O6-1-02 5/10/2000 0 - 1 ft.	SB-O6-649-02 5/10/2000 0 - 1.5 ft.	SB-O6-649-03 7/25/2000 0 - 1 ft.	SB-O6-650-01 7/25/2000 0 - 0.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.6 UN	0.639 UJ	0.69 UN	0.367 J	0.81 UN	0.61 UN	1.56 J	0.712 UJ
ARSENIC	MG/KG	NA	20	20	5 J	4.84	4.2 N	7.26	7.3 N	6.4 N	14.4	4.12
BERYLLIUM	MG/KG	NA	2	2	0.64 J	0.709	0.58	0.43	1.1	0.58	0.533	0.78
CADMIUM	MG/KG	NA	39	100	0.12 UJ	0.319 U	0.34 U	0.299 U	0.4 U	0.3 U	0.232 U	0.356 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.8 J	20.3	16.3	16.7	17.4	16.5	15.3	14.3
COPPER	MG/KG	NA	600	600	15.5 J	20.3	11	17.2	19.8	16.8	16.9	15.3
LEAD	MG/KG	NA	400	600	13.9 J	15.6	11.5	50.8	38.1	19.8	25.3	31.8
MERCURY	MG/KG	NA	14	270	0.08	0.247 J	0.02 J	0.083 J	0.11 J	0.02 J	0.042 J	0.097 J
NICKEL	MG/KG	NA	250	2400	12.9 J	13.9	9.4	9.95	12	15.1	10.6	11.7
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 UN	1.05	0.41 BN	1.14	0.48 BN	0.51 UN	0.613	0.835
SILVER	MG/KG	NA	110	4100	0.3 U	0.319 U	0.34 U	0.299 U	0.4 U	0.3 U	0.232 U	0.356 U
THALLIUM	MG/KG	NA	2	2	0.7 B	1.35	1.1 U	1.14	1.4 U	0.72 B	1.1	1.31
ZINC	MG/KG	NA	1500	1500	71.1 J	90.5	86.7	60.2	87.8	57	84.6	96.9

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O6-650-03 5/10/2000 0 - 1.5 ft.	SB-O7-1-03 7/19/2000 0 - 2 ft.	SB-O7-2-01 7/26/2000 0 - 1 ft.	SB-O7-2-02 5/4/2000 0 - 2 ft.	SB-O7-395-02 5/5/2000 0 - 1 ft.	SB-O7-395-03 7/26/2000 0 - 1 ft.	SB-O7-396-02 5/10/2000 0 - 2 ft.	SB-O7-396-03 7/26/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.61 UN	0.525 UJ	0.43 UJ	0.65 UN	0.81 UN	0.728 UJ	0.63 UN	0.532 J
ARSENIC	MG/KG	NA	20	20	5.1 N	12.7	2.56	3.6	6	5.38	4.4 N	**107**
BERYLLIUM	MG/KG	NA	2	2	0.55	0.682	0.386	0.73	0.56	0.846	0.66	0.261
CADMIUM	MG/KG	NA	39	100	0.3 U	1.21	0.215 U	0.63	0.54	0.197 U	0.4	0.226 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	13.7	23.4	9.1	15.4	16.9	17.5	18.7	9.69
COPPER	MG/KG	NA	600	600	15.9	93.9	13.8	16.7 J	19.7	15.4	11.4	13.9
LEAD	MG/KG	NA	400	600	9.8	**1920**	17.6	14.2	88.7	63.9	39.3	52.6
MERCURY	MG/KG	NA	14	270	0.04 J	0.125	0.047 J	0.02 J	0.15	0.173 J	0.09 J	0.121 J
NICKEL	MG/KG	NA	250	2400	8.1	15.6	5.5	9.4 J	10.2	9.98	9	7.39
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.5 UN	2.05	0.531	0.39 BN	1.3 N	1.22	0.42 BN	0.73
SILVER	MG/KG	NA	110	4100	0.3 U	0.249 J	0.215 U	0.33 U	2.3	0.364 U	0.31 U	0.32 U
THALLIUM	MG/KG	NA	2	2	0.8 B	0.875 U	0.808	1.1 UN	1.3 UN	1.93	1.5	1.07 U
ZINC	MG/KG	NA	1500	1500	81.8	352	39.9	144	298 J	189	292	58.6

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O7-576-02 5/10/2000 0 - 1.5 ft.	SB-O7-615E-01 5/5/2000 0 - 2 ft.	SB-O7-615E-04 7/26/2000 0 - 1.25 ft.	SB-O7-9319-01 5/5/2000 0 - 1.25 ft.	SB-O8-3-04 5/4/2000 0 - 1 ft.	SB-O8-3-06 5/4/2000 0 - 2 ft.	SB-O8-3-09 5/4/2000 0 - 1.25 ft.	SB-O8-3-12 5/4/2000 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.75 UJ	0.58 UN	0.314 J	0.55 BN	0.72 UN	0.7 UN	0.61 UN	0.66 UN
ARSENIC	MG/KG	NA	20	20	8.9 J	4.3	3.84	19.9	4.4	4.3	3.5	2.7
BERYLLIUM	MG/KG	NA	2	2	0.89	0.64	0.325	0.53	0.31	0.8	0.56	0.5
CADMIUM	MG/KG	NA	39	100	0.25 B	0.2 B	0.147 U	2	0.81	0.61	0.64	0.5
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.5	19.1	7.29	54.6	14.7	15.8	15.6	11.5
COPPER	MG/KG	NA	600	600	16.8	20.4	21.3	59.6	62.7 J	52.5 J	51.6 J	72.9 J
LEAD	MG/KG	NA	400	600	84.2	13.4	18.3	**534**	12.6	39.9	48.3	23.4
MERCURY	MG/KG	NA	14	270	0.16 J	0.07	0.199 J	3.3	0.06 J	0.06 J	0.06 J	0.03 J
NICKEL	MG/KG	NA	250	2400	11.4	12.1	7.81	11.4	11 J	9.5 J	9.4 J	11 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1 J	0.4 BN	0.831	0.6 N	0.95 N	0.92 N	0.41 BN	0.34 BN
SILVER	MG/KG	NA	110	4100	0.14 B	0.29 U	0.321 U	0.2 B	**332**	0.69	0.31 U	0.33 U
THALLIUM	MG/KG	NA	2	2	0.74 B	0.96 UN	1.07 U	1.2 UN	1.2 UN	1.2 UN	1 UN	1.1 UN
ZINC	MG/KG	NA	1500	1500	109	114 J	52.7	581 J	93.3	90	120	80

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O8-3-13 5/4/2000 0 - 1 ft.	SB-O8-3-15 5/4/2000 0 - 2 ft.	SB-O8-3-18 5/4/2000 0 - 1 ft.	SB-O8-3-20 5/4/2000 0 - 1.5 ft.	SB-O8-732-01 5/4/2000 0 - 2 ft.	SB-O8-732-04 7/26/2000 0 - 2 ft.	SB-P5-2-01 5/11/2000 0 - 2 ft.	SB-P5-2-03 7/26/2000 0 - 1.5 ft.	SB-P5-3-01 7/26/2000 0 - 2 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.8 UJ	0.69 UJ	0.72 UJ	0.68 UJ	0.62 UN	0.546 J	0.77 UN	0.624 UJ	0.634 UJ
ARSENIC	MG/KG	NA	20	20	4.7	9.6	3.2	4.3	4.2	4.55 J	5.6 N	5.63 J	4.24 J
BERYLLIUM	MG/KG	NA	2	2	0.98	0.47	0.42	0.41	0.62	0.694	0.51	0.555	0.681
CADMIUM	MG/KG	NA	39	100	0.45	0.52	0.55	0.38	0.52	0.364 U	0.39 U	0.055 U	0.497
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	17.2	10.4	11	16.9	20	16.3 J	15.1	14 J	16.6 J
COPPER	MG/KG	NA	600	600	31.5	26.7	23.9	17.2	14.9 J	43.9 J	14.9	20.5 J	60.8 J
LEAD	MG/KG	NA	400	600	60 J	31.6 J	35.8 J	10.8 J	42.8	**685**	33.4	23	26.8
MERCURY	MG/KG	NA	14	270	0.1	0.03 B	0.03 B	0.05	0.02 J	0.139	0.16 J	0.03 J	NR
NICKEL	MG/KG	NA	250	2400	10	8	23.3	10.7	10.5 J	10.8 J	10.1	11.3 J	10.1 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.3	0.77	0.6 U	0.81	0.61 N	1.44	0.43 BN	0.925	0.7
SILVER	MG/KG	NA	110	4100	0.29 B	0.35 U	0.65	0.34 U	0.31 U	0.43 U	0.39 U	0.312 U	0.317 U
THALLIUM	MG/KG	NA	2	2	1.3 U	1.2 U	1.2 U	1.1 U	1 UN	1.77	1.3 U	1.11	0.547 J
ZINC	MG/KG	NA	1500	1500	82.5	125	392	73.9	134	302	81.3	73.5	113

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P5-3-02 5/11/2000 0 - 2 ft.	SB-P5-535-04 5/11/2000 0 - 1 ft.	SB-P5-536-01 7/19/2000 0 - 2 ft.	SB-P6-3-01 7/26/2000 0 - 2 ft.	SB-P6-541-01 7/26/2000 0 - 1 ft.	SB-P6-651-02 5/4/2000 0 - 1 ft.	SB-P6-651-04 7/26/2000 0 - 1 ft.	SB-P6-9225-03 5/4/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.71 UN	0.64 BN	0.531 UJ	NR	0.467 UJ	0.61 UJ	0.661 UJ	0.67 UN
ARSENIC	MG/KG	NA	20	20	4.8 N	8.5 N	5.82	NR	5.41	3.3	**261 J**	13.6
BERYLLIUM	MG/KG	NA	2	2	0.67	0.83	0.827	NR	0.612	0.52	0.362	0.48
CADMIUM	MG/KG	NA	39	100	0.36 U	0.36 B	0.654	NR	0.134 U	0.32	0.33 U	0.95
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	22.2	17.9	18	NR	14.8	11.9	11.2 J	27.1
COPPER	MG/KG	NA	600	600	15.7	24.7	23.2	NR	21.6	14.5	13.2 J	29.8 J
LEAD	MG/KG	NA	400	600	15.5	**1330**	283	NR	**455**	11.7 J	47	60.9
MERCURY	MG/KG	NA	14	270	0.04 J	0.13 J	0.061	0.057	0.515 J	0.03	0.079	0.04 J
NICKEL	MG/KG	NA	250	2400	12.2	12.2	13.5	NR	11.4	8.5	7.12 J	8.9 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.34 BN	0.99 N	0.814	NR	0.744	0.47 B	4.89	0.44 BN
SILVER	MG/KG	NA	110	4100	0.36 U	0.17 B	0.266 U	NR	0.234 U	0.31 U	0.33 U	0.34 U
THALLIUM	MG/KG	NA	2	2	1.1 B	1.1 B	0.885 U	NR	1.11	1 U	**2.96**	1.1 UN
ZINC	MG/KG	NA	1500	1500	66.2	383	83.3	NR	178	57.8	41.4	477

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-P6-9225-05 5/4/2000 0 - 2 ft.	SB-P7-4-01 5/12/2000 0 - 2 ft.	SB-P7-575-01 5/9/2000 0 - 2 ft.	SB-P7-575-04 5/9/2000 0 - 1 ft.	SB-P7-9209-03 5/10/2000 0 - 2 ft.	SB-Q06-1-01 10/6/1999 0 - 2 ft.	SB-Q4-2-03 5/10/2000 0 - 2 ft.	SB-Q6-584-01 7/26/2000 0 - 1 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.69 UN	1.2 J	0.62 UN	0.65 UN	0.67 UN	0.99 UJ	0.71 UN	0.525 UJ
ARSENIC	MG/KG	NA	20	20	11.7	**103 N**	3.8 N	3.3 N	6.2 N	10.5	3.6 N	2.96 J
BERYLLIUM	MG/KG	NA	2	2	0.46	0.4	0.74	0.36	0.48	0.76	0.35	0.352
CADMIUM	MG/KG	NA	39	100	0.72	0.27 B	0.33	0.13 B	0.34 U	0.13 U	0.36 U	0.263 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	28.9	11.4	28.3	8.9	13.1	22.6	12.9	8.79 J
COPPER	MG/KG	NA	600	600	18.5 J	26 N	16	15.9	23.9	22.6	7.9	8.8 J
LEAD	MG/KG	NA	400	600	29.4	29.6	19.3	38.4	68.3	29.8 J	20.9	10.9
MERCURY	MG/KG	NA	14	270	0.05 J	0.74	0.02 B	0.05	**100 J**	0.06	0.07 J	0.03 J
NICKEL	MG/KG	NA	250	2400	8.5 J	13.2	16.2	6.4	9	14.4 *	5.3	5.51 J
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	2.82	NR
SELENIUM	MG/KG	NA	63	3100	0.58 N	1.6	0.52 UN	0.64 N	0.47 BN	1	0.47 BN	0.551
SILVER	MG/KG	NA	110	4100	0.35 U	0.11 B	0.31 U	0.32 U	0.34 U	0.59 U	0.36 U	0.263 U
THALLIUM	MG/KG	NA	2	2	1.2 UN	0.95 U	1 U	1.1 U	0.56 B	2 U	1.2 U	0.615 J
ZINC	MG/KG	NA	1500	1500	242	29.9	232	59.9	79.7	192 J	52.8	60.3

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-Q6-584-02 5/10/2000 0 - 1 ft.	SB-Q6-8-03 5/4/2000 0 - 1 ft.	SB-Q6-8-05 7/26/2000 0 - 0.5 ft.	SB-Q6-9311-01 9/27/2000 0 - 1 ft.	SB-Q6-9311-03 7/13/2000 0 - 2 ft.	SB-R5-1-01 5/4/2000 0 - 1.25 ft.	SB-R5-1-03 7/26/2000 0 - 1 ft.	SB-R5-2-01 5/4/2000 0 - 1 ft.	SB-R5-2-03 5/4/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	0.69 UN	0.63 UN	0.501 UJ	0.582 U	0.526 UJ	0.88 N	0.588 UJ	0.76 UJ	1.5 UJ
ARSENIC	MG/KG	NA	20	20	4.8 N	3.4	10.3 J	3.13	5.13	4.8	5.37 J	5.8	8.6
BERYLLIUM	MG/KG	NA	2	2	0.56	0.6	0.598	0.784 J	0.431	0.25	0.301	0.43	0.53
CADMIUM	MG/KG	NA	39	100	0.34 U	0.45	0.047 U	0.079 B	0.263 U	0.2 B	0.094 U	0.37 B	0.21 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	18.2	11.6	19.4 J	11.4	16	9.8	8.52 J	14.4	27
COPPER	MG/KG	NA	600	600	15.3	19.1 J	26.1 J	16.8	13.6	17.2 J	15.2 J	15.3	19.2
LEAD	MG/KG	NA	400	600	22.4	17.6	21.2	10.2 J	9.44	59.9	40.9	94.5 J	79.3 J
MERCURY	MG/KG	NA	14	270	0.03 J	0.05 J	0.034 U	0.035 U	0.022 J	0.22 J	0.213	0.08	0.11
NICKEL	MG/KG	NA	250	2400	7.7	6.8 J	9.34 J	6.5	6.77	4.7 J	5.32 J	7.2	9.8
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.57 UN	0.63 N	0.828	0.531 U	0.452 J	0.91 N	1.54	1.3	**79.3**
SILVER	MG/KG	NA	110	4100	0.34 U	0.31 U	0.251 U	0.269 B	0.263 U	0.15 B	0.373 U	0.38 U	0.79
THALLIUM	MG/KG	NA	2	2	0.56 B	1 UN	0.999	1.06 U	0.876 U	1.1 UN	1.24 U	1.3 U	2.5 U
ZINC	MG/KG	NA	1500	1500	94.2	80.4	73.3	75.7 U	51.4	80.7	60.3	174	**4910**

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Table 5-12E

Analytical Results
Storage Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-R5-2-05 5/4/2000 0 - 1 ft.	SB-R6-1-01 5/4/2000 0 - 2 ft.	SB-R6-1-02 7/26/2000 0 - 2 ft.	SB-R6-11-02 5/10/2000 0 - 1.25 ft.	SB-R6-11-03 7/27/2000 0 - 2 ft.	SB-S6-1-02 7/27/2000 0 - 1 ft.	SB-S6-1-05 5/10/2000 0 - 2 ft.	SB-S7-1-01 7/27/2000 0 - 1.5 ft.	SB-S7-1-02 5/10/2000 0 - 1 ft.
Metals, Total													
ANTIMONY	MG/KG	NA	14	340	1.2 N	0.63 UN	0.58 UJ	0.66 UN	0.575 UJ	0.32 UJ	0.71 UN	0.68 UJ	0.57 BN
ARSENIC	MG/KG	NA	20	20	9.1	2.1	3.24 J	4.4 N	7.42 J	6.56 J	4.2 N	14.9 J	16.5 N
BERYLLIUM	MG/KG	NA	2	2	0.58	0.44	0.443	0.78	0.612	0.563	0.92	0.384	0.67
CADMIUM	MG/KG	NA	39	100	0.9	0.32	0.29 U	0.33 U	0.288 U	0.053 U	0.36 U	0.511 U	0.04 B
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	21.5	8.6	9.85 J	15.1	23.9 J	13.9 J	17.6	16.9 J	19.8
COPPER	MG/KG	NA	600	600	29.6 J	11.3 J	13.1 J	12.3	13.3 J	12.5 J	9.8	18.4 J	19.6
LEAD	MG/KG	NA	400	600	108	17.9	13.5	18.4	8.63	56.8	13.6	108	42.7
MERCURY	MG/KG	NA	14	270	0.35 J	0.03 J	0.036 J	0.05 J	0.034 J	0.073	0.05 J	0.101	0.06 J
NICKEL	MG/KG	NA	250	2400	11.1 J	5.6 J	6.44 J	9.7	9.81 J	8.76 J	10.6	11.9 J	12.5
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.4 N	0.35 BN	0.732	0.37 BN	1.03	1.08	0.38 BN	0.935	0.79 N
SILVER	MG/KG	NA	110	4100	0.48	0.31 U	0.29 U	0.33 U	0.288 U	0.315 U	0.36 U	0.34 U	0.36 U
THALLIUM	MG/KG	NA	2	2	1.3 UN	1 UN	1.03	1 B	1.45	1.15	0.79 B	0.923 J	0.66 B
ZINC	MG/KG	NA	1500	1500	945	41.6	50	140	109	87	134	286	122

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Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 10/5/1999 0 - 0.5 ft.	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	1000 U	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	1000 U	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	1000 U	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	1000 U	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	1000 U	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	1000 U	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	1000 U	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	2100 U	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	4200 U	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	1000 U	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	1000 U	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	1000 U	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	1000 U	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	2100 U	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	1000 U	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	1000 U	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	2100 U	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	1000 U	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	390 J	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	1000 U	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	1000 U	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	1000 U	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	890 U	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	94.3	87.9	87.8	88.5	92.3	87.3
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	1000 U	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 10/5/1999 0 - 0.5 ft.	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	1000 U	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	1000 U	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	1000 U	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	2100 U	NR	NR	NR	NR	NR	NR

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Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-01 9/29/1999 0 - 0.5 ft.	SB-E15-8560-01 9/29/1999 0 - 1.5 ft.	SB-E15-8560-02 9/29/1999 0 - 0.5 ft.	SB-E15-8560-02 9/29/1999 0 - 1.5 ft.	SB-E15-8560-03 9/29/1999 0 - 0.8 ft.	SB-E15-8560-03 9/29/1999 0 - 1.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	694 UJ	NR	568 UJ	NR	521 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	694 UJ	NR	568 UJ	NR	521 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1389 UJ	NR	1136 UJ	NR	1042 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	2778 UJ	NR	2273 UJ	NR	2083 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	694 UJ	NR	568 UJ	NR	521 UJ	NR
BENZENE	UG/KG	1000	3000	13000	694 UJ	NR	568 UJ	NR	521 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	694 UJ	NR	568 UJ	NR	521 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	694 UJ	NR	568 UJ	NR	521 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1389 UJ	NR	1136 UJ	NR	1042 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	694 UJ	NR	568 UJ	NR	521 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	694 UJ	NR	568 UJ	NR	521 UJ	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1389 UJ	NR	1136 UJ	NR	1042 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	694 UJ	NR	568 UJ	NR	521 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1389 UJ	NR	1136 UJ	NR	1042 UJ	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	694 UJ	NR	568 UJ	NR	521 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	357 U	NR	211 U	NR	249 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	93.5	NR	97.4	NR	85.1
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	694 UJ	NR	568 UJ	NR	521 UJ	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-01 9/29/1999 0 - 0.5 ft.	SB-E15-8560-01 9/29/1999 0 - 1.5 ft.	SB-E15-8560-02 9/29/1999 0 - 0.5 ft.	SB-E15-8560-02 9/29/1999 0 - 1.5 ft.	SB-E15-8560-03 9/29/1999 0 - 0.8 ft.	SB-E15-8560-03 9/29/1999 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	694 UJ	NR	568 UJ	NR	521 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	694 UJ	NR	568 UJ	NR	521 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1389 UJ	NR	1136 UJ	NR	1042 UJ	NR

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Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-04 9/29/1999 0 - 0.5 ft.	SB-E15-8560-04 9/29/1999 0 - 2 ft.	SB-E15-8560-05 9/29/1999 0 - 0.5 ft.	SB-E15-8560-05 9/29/1999 0 - 1.5 ft.	SB-E15-8560-06 9/29/1999 0 - 0.5 ft.	SB-E15-8560-06 9/29/1999 0 - 5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	521 UJ	NR	521 UJ	NR	625 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	521 UJ	NR	521 UJ	NR	625 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1042 UJ	NR	1042 UJ	NR	1250 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	2083 UJ	NR	2083 UJ	NR	2500 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	521 UJ	NR	521 UJ	NR	625 UJ	NR
BENZENE	UG/KG	1000	3000	13000	521 UJ	NR	521 UJ	NR	625 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	521 UJ	NR	521 UJ	NR	625 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	521 UJ	NR	521 UJ	NR	625 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1042 UJ	NR	1042 UJ	NR	1250 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	521 UJ	NR	521 UJ	NR	625 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	521 UJ	NR	521 UJ	NR	755 J	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1042 UJ	NR	1042 UJ	NR	1250 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	521 UJ	NR	521 UJ	NR	625 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1042 UJ	NR	1042 UJ	NR	1250 UJ	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	521 UJ	NR	521 UJ	NR	625 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	197 U	NR	554 U	NR	1229 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	95.8	NR	95.6	NR	95.9
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	521 UJ	NR	521 UJ	NR	625 UJ	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-04 9/29/1999 0 - 0.5 ft.	SB-E15-8560-04 9/29/1999 0 - 2 ft.	SB-E15-8560-05 9/29/1999 0 - 0.5 ft.	SB-E15-8560-05 9/29/1999 0 - 1.5 ft.	SB-E15-8560-06 9/29/1999 0 - 0.5 ft.	SB-E15-8560-06 9/29/1999 0 - 5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	521 UJ	NR	521 UJ	NR	625 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	521 UJ	NR	521 UJ	NR	625 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1042 UJ	NR	1042 UJ	NR	1250 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-07 9/29/1999 0 - 0.5 ft.	SB-E15-8560-07 9/29/1999 0 - 1.5 ft.	SB-E15-8560-08 9/29/1999 0 - 0.5 ft.	SB-E15-8560-08 9/29/1999 0 - 2 ft.	SB-E15-8560-09 9/29/1999 0 - 0.5 ft.	SB-E15-8560-09 9/29/1999 0 - 1.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	521 UJ	NR	521 UJ	NR	521 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	521 UJ	NR	521 UJ	NR	521 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1042 UJ	NR	1042 UJ	NR	1042 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	2083 UJ	NR	2083 UJ	NR	2083 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	521 UJ	NR	521 UJ	NR	521 UJ	NR
BENZENE	UG/KG	1000	3000	13000	521 UJ	NR	521 UJ	NR	521 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	521 UJ	NR	521 UJ	NR	521 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	521 UJ	NR	521 UJ	NR	521 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1042 UJ	NR	1042 UJ	NR	1042 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	521 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	521 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1042 UJ	NR	1042 UJ	NR	1042 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	521 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1042 UJ	NR	1042 UJ	NR	1042 UJ	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	521 UJ	NR	521 UJ	NR	521 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	708 U	NR	660 U	NR	647 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	73	NR	86	NR	95.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	521 UJ	NR	521 UJ	NR	521 UJ	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-07 9/29/1999 0 - 0.5 ft.	SB-E15-8560-07 9/29/1999 0 - 1.5 ft.	SB-E15-8560-08 9/29/1999 0 - 0.5 ft.	SB-E15-8560-08 9/29/1999 0 - 2 ft.	SB-E15-8560-09 9/29/1999 0 - 0.5 ft.	SB-E15-8560-09 9/29/1999 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	521 UJ	NR	521 UJ	NR	521 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	521 UJ	NR	521 UJ	NR	521 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1042 UJ	NR	1042 UJ	NR	1042 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-10 9/29/1999 0 - 0.5 ft.	SB-E15-8560-10 9/29/1999 0 - 1.5 ft.	SB-E15-8560-11 9/29/1999 0 - 0.5 ft.	SB-E15-8560-11 9/29/1999 0 - 1 ft.	SB-E15-8560-12 9/29/1999 0 - 0.8 ft.	SB-E15-8560-12 9/29/1999 0 - 2 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	543 UJ	NR	521 UJ	NR	521 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	543 UJ	NR	521 UJ	NR	521 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1085 UJ	NR	1042 UJ	NR	1042 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	2170 UJ	NR	2083 UJ	NR	2083 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	543 UJ	NR	521 UJ	NR	521 UJ	NR
BENZENE	UG/KG	1000	3000	13000	543 UJ	NR	521 UJ	NR	521 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	543 UJ	NR	521 UJ	NR	521 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	543 UJ	NR	521 UJ	NR	521 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	1085 UJ	NR	1042 UJ	NR	1042 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	543 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	543 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROETHANE	UG/KG	NA	NA	NA	1085 UJ	NR	1042 UJ	NR	1042 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	543 UJ	NR	521 UJ	NR	521 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1085 UJ	NR	1042 UJ	NR	1042 UJ	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	543 UJ	NR	521 UJ	NR	521 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	676 U	NR	242 U	NR	205 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	95.2	NR	87.4	NR	94.9
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	543 UJ	NR	521 UJ	NR	521 UJ	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-10 9/29/1999 0 - 0.5 ft.	SB-E15-8560-10 9/29/1999 0 - 1.5 ft.	SB-E15-8560-11 9/29/1999 0 - 0.5 ft.	SB-E15-8560-11 9/29/1999 0 - 1 ft.	SB-E15-8560-12 9/29/1999 0 - 0.8 ft.	SB-E15-8560-12 9/29/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	543 UJ	NR	521 UJ	NR	521 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	543 UJ	NR	521 UJ	NR	521 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	1085 UJ	NR	1042 UJ	NR	1042 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-13 9/29/1999 0 - 0.5 ft.	SB-E15-8560-13 9/29/1999 0 - 1 ft.	SB-E15-8560-14 10/1/1999 0 - 1.5 ft.	SB-E15-8560-14 10/1/1999 0.5 - 1.0 ft.	SB-E15-8560-15 10/1/1999 0 - 1.5 ft.	SB-E15-8560-15 10/1/1999 0.8 - 1.3 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1042 UJ	NR	NR	2841 UJ	NR	2660 UJ
ACROLEIN	UG/KG	NA	NA	NA	2083 UJ	NR	NR	5682 UJ	NR	5320 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
BENZENE	UG/KG	1000	3000	13000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
BROMOFORM	UG/KG	1000	86000	370000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
BROMOMETHANE	UG/KG	1000	79000	1000000	1042 UJ	NR	NR	2841 UJ	NR	2660 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
CHLOROBENZENE	UG/KG	1000	37000	680000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
CHLOROETHANE	UG/KG	NA	NA	NA	1042 UJ	NR	NR	2841 UJ	NR	2660 UJ
CHLOROFORM	UG/KG	1000	19000	28000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
CHLOROMETHANE	UG/KG	10000	520000	1000000	1042 UJ	NR	NR	2841 UJ	NR	2660 UJ
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
ETHYLBENZENE	UG/KG	100000	1000000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	237 U	NR	NR	1369 U	NR	1117 U
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	96.8	82.4	NR	95.4	NR
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-13 9/29/1999 0 - 0.5 ft.	SB-E15-8560-13 9/29/1999 0 - 1 ft.	SB-E15-8560-14 10/1/1999 0 - 1.5 ft.	SB-E15-8560-14 10/1/1999 0.5 - 1.0 ft.	SB-E15-8560-15 10/1/1999 0 - 1.5 ft.	SB-E15-8560-15 10/1/1999 0.8 - 1.3 ft.
TOLUENE	UG/KG	500000	1000000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	521 UJ	NR	NR	1421 UJ	NR	1330 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1042 UJ	NR	NR	2841 UJ	NR	2660 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-16 10/1/1999 0 - 1.5 ft.	SB-E15-8560-16 10/1/1999 0.8 - 1.3 ft.	SB-E15-8560-17 10/1/1999 0 - 2 ft.	SB-E15-8560-17 10/1/1999 0.5 - 1.0 ft.	SB-E15-8560-18 10/5/1999 0 - 0.5 ft.	SB-E15-8560-18 10/5/1999 0 - 2 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	1157 U	NR	1250 UJ	1500 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	1157 U	NR	1250 UJ	1500 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	2315 U	NR	2500 UJ	3000 U	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	4629 U	NR	5000 UJ	6100 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	1157 U	NR	1250 UJ	1500 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	1157 U	NR	1250 UJ	1500 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	1157 U	NR	1250 UJ	1500 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	1157 U	NR	1250 UJ	1500 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	2315 U	NR	2500 UJ	3000 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	1157 U	NR	1250 UJ	1500 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	1157 U	NR	1250 UJ	1500 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	2315 U	NR	2500 UJ	3000 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	1157 U	NR	1250 UJ	1500 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	2315 UJ	NR	2500 UJ	3000 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	1157 U	NR	1250 UJ	1500 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	794 U	NR	1010 U	2400 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	94.1	NR	79.8	NR	NR	94.2
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	1157 U	NR	1250 UJ	1500 U	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-16 10/1/1999 0 - 1.5 ft.	SB-E15-8560-16 10/1/1999 0.8 - 1.3 ft.	SB-E15-8560-17 10/1/1999 0 - 2 ft.	SB-E15-8560-17 10/1/1999 0.5 - 1.0 ft.	SB-E15-8560-18 10/5/1999 0 - 0.5 ft.	SB-E15-8560-18 10/5/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	1157 U	NR	1250 UJ	1500 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	1157 U	NR	1250 UJ	1500 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	2315 UJ	NR	2500 UJ	3000 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-19 10/5/1999 0 - 0.5 ft.	SB-E15-8560-19 10/5/1999 0 - 2 ft.	SB-E15-8560-20 10/5/1999 0 - 0.5 ft.	SB-E15-8560-20 10/5/1999 0 - 2 ft.	SB-E15-8560-21 10/5/1999 0 - 0.5 ft.	SB-E15-8560-21 10/5/1999 0 - 1.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	1400 U	NR	1200 U	NR	1300 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	1400 U	NR	1200 U	NR	1300 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	1400 U	NR	1200 U	NR	1300 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	1400 U	NR	1200 U	NR	1300 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	1400 U	NR	1200 U	NR	1300 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	2700 U	NR	2400 U	NR	2700 U	NR
ACROLEIN	UG/KG	NA	NA	NA	5400 U	NR	4700 U	NR	5300 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	1400 U	NR	1200 U	NR	1300 U	NR
BENZENE	UG/KG	1000	3000	13000	1400 U	NR	1200 U	NR	1300 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	1400 U	NR	1200 U	NR	1300 U	NR
BROMOFORM	UG/KG	1000	86000	370000	1400 U	NR	1200 U	NR	1300 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	480 J	NR	2400 U	NR	2700 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	1400 U	NR	1200 U	NR	1300 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	1400 U	NR	1200 U	NR	1300 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	2700 U	NR	2400 U	NR	2700 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	1400 U	NR	1200 U	NR	1300 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	1400 J	NR	430 J	NR	2700 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	1400 U	NR	1200 U	NR	1300 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1900 U	NR	1600 U	NR	1900 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	94.1	NR	96.8	NR	96.2
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	1400 U	NR	1200 U	NR	1300 U	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-19 10/5/1999 0 - 0.5 ft.	SB-E15-8560-19 10/5/1999 0 - 2 ft.	SB-E15-8560-20 10/5/1999 0 - 0.5 ft.	SB-E15-8560-20 10/5/1999 0 - 2 ft.	SB-E15-8560-21 10/5/1999 0 - 0.5 ft.	SB-E15-8560-21 10/5/1999 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	1400 U	NR	1200 U	NR	1300 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	1400 U	NR	1200 U	NR	1300 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	2700 U	NR	2400 U	NR	2700 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-22 10/5/1999 0 - 0.5 ft.	SB-E15-8560-22 10/5/1999 0 - 2 ft.	SB-E15-8560-23 10/5/1999 0 - 0.5 ft.	SB-E15-8560-23 10/5/1999 0 - 1.5 ft.	SB-E15-8560-24 10/5/1999 0 - 0.5 ft.	SB-E15-8560-24 10/5/1999 0 - 1.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	1800 U	NR	1200 U	NR	1400 UJ	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	1800 U	NR	1200 U	NR	1400 UJ	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	3700 U	NR	2300 U	NR	2800 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	7400 U	NR	4600 U	NR	5700 UJ	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	1800 U	NR	1200 U	NR	1400 UJ	NR
BENZENE	UG/KG	1000	3000	13000	1800 U	NR	1200 U	NR	1400 UJ	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	1800 U	NR	1200 U	NR	1400 UJ	NR
BROMOFORM	UG/KG	1000	86000	370000	1800 U	NR	1200 U	NR	1400 UJ	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	3700 U	NR	2300 U	NR	2800 UJ	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	1800 U	NR	1200 U	NR	1400 UJ	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	1800 U	NR	1200 U	NR	1400 UJ	NR
CHLOROETHANE	UG/KG	NA	NA	NA	3700 U	NR	2300 U	NR	2800 UJ	NR
CHLOROFORM	UG/KG	1000	19000	28000	1800 U	NR	1200 U	NR	1400 UJ	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	3700 U	NR	2300 U	NR	2800 UJ	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	1800 U	NR	1200 U	NR	1400 UJ	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2700 U	NR	1500 U	NR	2700 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	92.6	NR	94.8	NR	93.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	1800 U	NR	1200 U	NR	1400 UJ	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-22 10/5/1999 0 - 0.5 ft.	SB-E15-8560-22 10/5/1999 0 - 2 ft.	SB-E15-8560-23 10/5/1999 0 - 0.5 ft.	SB-E15-8560-23 10/5/1999 0 - 1.5 ft.	SB-E15-8560-24 10/5/1999 0 - 0.5 ft.	SB-E15-8560-24 10/5/1999 0 - 1.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	1800 U	NR	1200 U	NR	1400 UJ	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	1800 U	NR	1200 U	NR	1400 UJ	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	3700 U	NR	2300 U	NR	2800 UJ	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-25 10/5/1999 0 - 0.5 ft.	SB-E15-8560-25 10/5/1999 0 - 1.2 ft.	SB-E15-8560-26 10/5/1999 0 - 0.5 ft.	SB-E15-8560-26 10/5/1999 0 - 1.4 ft.	SB-E15-8560-27 10/5/1999 0 - 0.5 ft.	SB-E15-8560-27 10/5/1999 0 - 1.4 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	1400 U	NR	830 U	NR	1600 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	1400 U	NR	830 U	NR	1600 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	1400 U	NR	830 U	NR	1600 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	1400 U	NR	830 U	NR	1600 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	1400 U	NR	830 U	NR	1600 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	1400 U	NR	830 U	NR	1600 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	1400 U	NR	830 U	NR	1600 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	2700 U	NR	1700 U	NR	3100 U	NR
ACROLEIN	UG/KG	NA	NA	NA	5400 U	NR	3300 U	NR	6200 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	1400 U	NR	830 U	NR	1600 U	NR
BENZENE	UG/KG	1000	3000	13000	1400 U	NR	830 U	NR	1600 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	1400 U	NR	830 U	NR	1600 U	NR
BROMOFORM	UG/KG	1000	86000	370000	1400 U	NR	830 U	NR	1600 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	2700 U	NR	1700 U	NR	3100 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	1400 U	NR	830 U	NR	1600 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	1400 U	NR	830 U	NR	1600 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	2700 U	NR	1700 U	NR	3100 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	1400 U	NR	830 U	NR	1600 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	2700 U	NR	1700 U	NR	3100 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	1400 U	NR	830 U	NR	1600 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	1400 U	NR	830 U	NR	1600 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	1400 U	NR	830 U	NR	1600 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	2500 U	NR	990 U	NR	1900 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	80.6	NR	80.1	NR	94.3
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	1400 U	NR	830 U	NR	1600 U	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-25 10/5/1999 0 - 0.5 ft.	SB-E15-8560-25 10/5/1999 0 - 1.2 ft.	SB-E15-8560-26 10/5/1999 0 - 0.5 ft.	SB-E15-8560-26 10/5/1999 0 - 1.4 ft.	SB-E15-8560-27 10/5/1999 0 - 0.5 ft.	SB-E15-8560-27 10/5/1999 0 - 1.4 ft.
TOLUENE	UG/KG	500000	1000000	1000000	1400 U	NR	830 U	NR	1600 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	1400 U	NR	830 U	NR	1600 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	1400 U	NR	830 U	NR	1600 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	2700 U	NR	1700 U	NR	3100 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-02 10/6/1999 0 - 0.5 ft.	SB-E16-8561-02 7/26/2000 0.5 - 1.0 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.	SB-E16-8561-04 11/22/1999 0 - 0.5 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-E16-8561-05 11/22/1999 0 - 0.5 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	560 U	525 UJ	NR	504 U	NR	539 U
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	560 U	525 UJ	NR	504 U	NR	539 U
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	560 U	525 UJ	NR	504 U	NR	539 U
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	560 U	NR	NR	504 U	NR	539 U
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	560 U	525 UJ	NR	504 U	NR	539 U
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	1100 U	1050 UJ	NR	1008 U	NR	1078 U
ACROLEIN	UG/KG	NA	NA	NA	2300 U	2100 UJ	NR	2016 UJ	NR	2155 UJ
ACRYLONITRILE	UG/KG	1000	1000	5000	560 U	525 UJ	NR	504 U	NR	539 U
BENZENE	UG/KG	1000	3000	13000	560 U	525 UJ	NR	504 U	NR	539 U
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	560 U	525 UJ	NR	504 U	NR	539 U
BROMOFORM	UG/KG	1000	86000	370000	560 U	525 UJ	NR	504 U	NR	539 U
BROMOMETHANE	UG/KG	1000	79000	1000000	1100 U	1050 UJ	NR	1008 UJ	NR	1078 UJ
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	560 U	525 UJ	NR	504 U	NR	539 U
CHLOROBENZENE	UG/KG	1000	37000	680000	560 U	525 UJ	NR	504 U	NR	539 U
CHLOROETHANE	UG/KG	NA	NA	NA	1100 U	1050 UJ	NR	1008 U	NR	1078 U
CHLOROFORM	UG/KG	1000	19000	28000	560 U	525 UJ	NR	504 U	NR	539 U
CHLOROMETHANE	UG/KG	10000	520000	1000000	430 J	1050 UJ	NR	1008 U	NR	1078 U
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	560 U	525 UJ	NR	504 U	NR	539 U
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
ETHYLBENZENE	UG/KG	100000	1000000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	490 U	466 U	NR	514 U	NR	556 U
SOLIDS, PERCENT	PERCENT	NA	NA	NA	NR	NR	71	NR	84.2	NR
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	560 U	525 UJ	NR	504 U	NR	539 U

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-02 10/6/1999 0 - 0.5 ft.	SB-E16-8561-02 7/26/2000 0.5 - 1.0 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.	SB-E16-8561-04 11/22/1999 0 - 0.5 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-E16-8561-05 11/22/1999 0 - 0.5 ft.
TOLUENE	UG/KG	500000	1000000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	560 U	525 UJ	NR	504 U	NR	539 U
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	560 U	525 UJ	NR	504 UJ	NR	539 UJ
VINYL CHLORIDE	UG/KG	10000	2000	7000	1100 U	1050 UJ	NR	1008 UJ	NR	1078 UJ

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-05 11/22/1999 0 - 2 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.	SB-H14-3-03 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	83.9	89.1	87.5	89.5	71.3	71.3	74.8
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-05 11/22/1999 0 - 2 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.	SB-H14-3-03 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.	SB-J14-2-03 10/6/1999 0 - 1.8 ft.	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	63.1	85.3	76	69.3	76	93.9	58.4
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.	SB-J14-2-03 10/6/1999 0 - 1.8 ft.	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-N13-5-01 10/4/1999 0 - 2 ft.	SB-O13-1-01 10/1/1999 0 - 2 ft.	SB-O13-1-17 10/1/1999 0 - 2 ft.	SB-O13-2-17 10/1/1999 0 - 2 ft.	SB-O13-2-17 11/30/1999 0 - 2 ft.	SB-O13-2-18 10/1/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	80.9	68.6	71.5	74.5	68.7	66.2	71.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-N13-5-01 10/4/1999 0 - 2 ft.	SB-O13-1-01 10/1/1999 0 - 2 ft.	SB-O13-1-17 10/1/1999 0 - 2 ft.	SB-O13-2-17 10/1/1999 0 - 2 ft.	SB-O13-2-17 11/30/1999 0 - 2 ft.	SB-O13-2-18 10/1/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-2-18 11/30/1999 0 - 2 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.	SB-O13-8-01 10/4/1999 0 - 2 ft.	SB-O13-8-02 10/4/1999 0 - 2 ft.
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	73.6	82.3	80.7	84	84.1	84.4	83.5
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-2-18 11/30/1999 0 - 2 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.	SB-O13-8-01 10/4/1999 0 - 2 ft.	SB-O13-8-02 10/4/1999 0 - 2 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
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NS = No Standard
ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-8-03 10/4/1999 0 - 1 ft.	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.
Volatile Organic Compounds										
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	NR	NR	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	NR	NR	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	NR	NR	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	NR	NR	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	NR	NR	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	NR	NR	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	NR	NR	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	NR	NR	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	NR	NR	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	NR	NR	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	NR	NR	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	NR	NR	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	NR	NR	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	NR	NR	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	NR	NR	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	NR	NR	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	NR	NR	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	82.9	76.6	86.3	76.5	87.2	91.7
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	NR	NR	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-8-03 10/4/1999 0 - 1 ft.	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	NR	NR	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	NR	NR	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	NR	NR	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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ft. = Feet below ground surface

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O14-1-03 6/29/2000 0 - 1 ft.	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.	TP-E16-8561-05 8/9/2000 2.5 - 3.0 ft.	TP-O13-7-05 8/10/2000 7.5 - 8.0 ft.
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	NR	NR	NR	604 U	NR
1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	NR	NR	NR	604 U	NR
1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	NR	NR	NR	604 U	NR
1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	NR	NR	NR	604 U	NR
1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	NR	NR	NR	604 U	NR
1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	NR	NR	NR	604 U	NR
1,2-DICHLOROPROPANE	UG/KG	NA	10000	43000	NR	NR	NR	604 U	NR
2-CHLOROETHYL VINYL ETHER	UG/KG	NA	NA	NA	NR	NR	NR	1210 UJ	NR
ACROLEIN	UG/KG	NA	NA	NA	NR	NR	NR	2420 U	NR
ACRYLONITRILE	UG/KG	1000	1000	5000	NR	NR	NR	604 U	NR
BENZENE	UG/KG	1000	3000	13000	NR	NR	NR	604 U	NR
BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	NR	NR	NR	604 U	NR
BROMOFORM	UG/KG	1000	86000	370000	NR	NR	NR	604 U	NR
BROMOMETHANE	UG/KG	1000	79000	1000000	NR	NR	NR	1210 U	NR
CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	NR	NR	NR	604 U	NR
CHLOROBENZENE	UG/KG	1000	37000	680000	NR	NR	NR	604 U	NR
CHLOROETHANE	UG/KG	NA	NA	NA	NR	NR	NR	1210 U	NR
CHLOROFORM	UG/KG	1000	19000	28000	NR	NR	NR	604 U	NR
CHLOROMETHANE	UG/KG	10000	520000	1000000	NR	NR	NR	1210 U	NR
cis-1,3-DICHLOROPROPENE	UG/KG	NA	NA	NA	NR	NR	NR	604 U	NR
DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	NR	NR	NR	604 U	NR
ETHYLBENZENE	UG/KG	100000	1000000	1000000	NR	NR	NR	604 U	NR
METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NR	NR	NR	428 U	NR
SOLIDS, PERCENT	PERCENT	NA	NA	NA	95.2	84.3	80.2	87	83.2
TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	NR	NR	NR	604 U	NR

Table 5-13A

Analytical Results
Miscellaneous/Offsite Area - Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O14-1-03 6/29/2000 0 - 1 ft.	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.	TP-E16-8561-05 8/9/2000 2.5 - 3.0 ft.	TP-O13-7-05 8/10/2000 7.5 - 8.0 ft.
TOLUENE	UG/KG	500000	1000000	1000000	NR	NR	NR	604 U	NR
trans-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	NR	NR	NR	604 U	NR
TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	NR	NR	NR	604 U	NR
VINYL CHLORIDE	UG/KG	10000	2000	7000	NR	NR	NR	1210 U	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 10/5/1999 0 - 0.5 ft.	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	NR	NR	380 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	1800 U	19000 U	1900 U	753 U	721 U	1900 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	NR	NR	380 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	710 U	7600 U	760 U	753 U	721 U	770 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	1800 U	19000 UJ	1900 UJ	753 U	721 U	1900 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	1800 U	19000 U	1900 U	NR	NR	1900 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	350 U	3800 U	380 U	108 J	361 U	380 U
BENZIDINE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	50 J	3800 U	160 J	608	45.4 J	50 J
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	67 J	250 J	190 J	**668**	33.2 J	36 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	78 J	3800 U	280 J	790	361 U	380 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	350 U	3800 U	110 J	636	361 U	380 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	350 U	3800 U	91 J	349 J	361 U	380 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	170 J	3800 U	380 U	376 U	361 U	380 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	376 U	361 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	110 J	3800 U	27 J	57.6 J	32.1 J	380 U
CHRYSENE	UG/KG	500000	9000	40000	NR	52 J	3800 U	180 J	622	48.3 J	43 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	170 J	3800 U	380 U	376 U	361 U	59 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 10/5/1999 0 - 0.5 ft.	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	350 U	3800 U	380 U	153 J	361 U	380 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	83 J	3800 U	330 J	1100	103 J	380 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	97 J
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	350 U	3800 UJ	380 UJ	NR	NR	380 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	350 U	3800 U	380 U	376 UJ	361 UJ	380 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	350 U	3800 UJ	94 J	468	361 U	380 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	350 U	3800 U	380 U	376 U	361 U	380 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	350 U	3800 U	380 U	376 U	361 U	380 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	350 U	3800 U	380 U	NR	NR	380 U
NAPHTHALENE	UG/KG	100000	230000	4200000	1000 U	350 U	3800 U	380 U	376 U	361 U	380 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	1800 U	19000 U	1900 U	753 U	721 U	1900 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	43 J	3800 U	150 J	445	52.3 J	40 J
PHENOL	UG/KG	50000	10000000	10000000	NR	350 U	3800 U	380 U	376 U	361 U	380 U
PYRENE	UG/KG	100000	1700000	10000000	NR	140 J	3800 U	330 J	1510	93.8 J	380 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-01 9/29/1999 0 - 1.5 ft.	SB-E15-8560-02 9/29/1999 0 - 1.5 ft.	SB-E15-8560-03 9/29/1999 0 - 1.5 ft.	SB-E15-8560-04 9/29/1999 0 - 2 ft.	SB-E15-8560-05 9/29/1999 0 - 1.5 ft.	SB-E15-8560-06 9/29/1999 0 - 5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	350 U	340 U	390 U	350 U	350 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	350 U	340 U	390 U	350 U	350 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	350 U	340 U	390 U	350 U	350 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1800 U	1700 U	2000 U	1700 U	1700 U	1700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	350 U	340 U	390 U	350 U	350 U	350 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	350 U	340 U	390 U	350 U	350 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	710 U	690 U	780 U	690 U	690 U	690 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1800 U	1700 U	2000 U	1700 U	1700 U	1700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1800 U	1700 U	2000 U	1700 U	1700 U	1700 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
ANTHRACENE	UG/KG	100000	10000000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
BENZIDINE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 U	340 U	390 U	350 U	350 U	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	350 U	340 U	390 U	350 U	350 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	350 U	340 U	390 U	350 U	350 U	350 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	350 U	340 U	390 U	350 U	350 U	350 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	350 U	340 U	390 U	350 U	350 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	28 J	20 J	19 J	31 J	22 J	350 U
CHRYSENE	UG/KG	500000	9000	40000	350 U	340 U	390 U	350 U	350 U	350 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	15 J	77 J	140 J	110 J	350 U	350 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-01 9/29/1999 0 - 1.5 ft.	SB-E15-8560-02 9/29/1999 0 - 1.5 ft.	SB-E15-8560-03 9/29/1999 0 - 1.5 ft.	SB-E15-8560-04 9/29/1999 0 - 2 ft.	SB-E15-8560-05 9/29/1999 0 - 1.5 ft.	SB-E15-8560-06 9/29/1999 0 - 5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	350 U	340 U	390 U	350 U	350 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
FLUORENE	UG/KG	100000	2300000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	350 U	340 U	390 U	350 U	350 U	350 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	350 U	340 U	390 U	350 U	350 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	350 U	340 U	390 U	350 U	350 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	350 U	340 U	390 U	350 U	350 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	350 U	340 U	390 U	350 U	350 U	350 U
ISOPHORONE	UG/KG	50000	1100000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 UJ	340 UJ	390 UJ	350 UJ	350 UJ	350 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	350 U	340 U	390 U	350 U	350 U	350 U
NAPHTHALENE	UG/KG	100000	230000	4200000	350 U	340 U	390 U	350 U	350 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1800 U	1700 U	2000 U	1700 U	1700 U	1700 U
PHENANTHRENE	UG/KG	NA	NA	NA	350 U	340 U	390 U	350 U	350 U	350 U
PHENOL	UG/KG	50000	10000000	10000000	350 U	340 U	390 U	350 U	350 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	350 U	340 U	390 U	350 U	350 U	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-07 9/29/1999 0 - 1.5 ft.	SB-E15-8560-08 9/29/1999 0 - 2 ft.	SB-E15-8560-09 9/29/1999 0 - 1.5 ft.	SB-E15-8560-10 9/29/1999 0 - 1.5 ft.	SB-E15-8560-11 9/29/1999 0 - 1 ft.	SB-E15-8560-12 9/29/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	460 U	390 U	350 U	350 U	380 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	460 U	390 U	350 U	350 U	380 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	460 U	390 U	350 U	350 U	380 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	1900 U	1700 U	1800 U	1900 U	1800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	460 U	390 U	350 U	350 U	380 U	350 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	460 U	390 U	350 U	350 U	380 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	910 U	780 U	690 U	700 U	770 U	700 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 U	1900 U	1700 U	1800 U	1900 U	1800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 U	1900 U	1700 U	1800 U	1900 U	1800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
ANTHRACENE	UG/KG	100000	10000000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
BENZIDINE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	460 U	390 U	350 U	350 U	30 J	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	460 U	390 U	350 U	350 U	380 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	460 U	390 U	350 U	350 U	380 U	350 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	460 U	390 U	350 U	350 U	380 U	350 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	460 U	390 U	350 U	350 U	380 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	390 U	350 U	350 U	380 U	350 U
CHRYSENE	UG/KG	500000	9000	40000	460 U	390 U	350 U	350 U	380 U	350 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-07 9/29/1999 0 - 1.5 ft.	SB-E15-8560-08 9/29/1999 0 - 2 ft.	SB-E15-8560-09 9/29/1999 0 - 1.5 ft.	SB-E15-8560-10 9/29/1999 0 - 1.5 ft.	SB-E15-8560-11 9/29/1999 0 - 1 ft.	SB-E15-8560-12 9/29/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	460 U	390 U	350 U	350 U	380 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
FLUORENE	UG/KG	100000	2300000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	460 U	390 U	350 U	350 U	380 U	350 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	460 U	390 U	350 U	350 U	380 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	460 U	390 U	350 U	350 U	380 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	460 U	390 U	350 U	350 U	380 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	460 U	390 U	350 U	350 U	380 U	350 U
ISOPHORONE	UG/KG	50000	1100000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	460 UJ	390 UJ	350 UJ	350 UJ	380 UJ	350 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	380 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	460 U	390 U	350 U	350 U	380 U	350 U
NAPHTHALENE	UG/KG	100000	230000	4200000	460 U	390 U	350 U	350 U	380 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 U	1900 U	1700 U	1800 U	1900 U	1800 U
PHENANTHRENE	UG/KG	NA	NA	NA	460 U	390 U	350 U	350 U	36 J	350 U
PHENOL	UG/KG	50000	10000000	10000000	460 U	390 U	350 U	350 U	380 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	460 U	390 U	350 U	350 U	84 J	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-13 9/29/1999 0 - 1 ft.	SB-E15-8560-14 10/1/1999 0 - 1.5 ft.	SB-E15-8560-15 10/1/1999 0 - 1.5 ft.	SB-E15-8560-16 10/1/1999 0 - 1.5 ft.	SB-E15-8560-17 10/1/1999 0 - 2 ft.	SB-E15-8560-18 10/5/1999 0 - 2 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	340 U	410 U	350 U	350 U	420 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	340 U	410 U	350 U	350 U	420 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	340 U	410 U	350 U	350 U	420 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1700 U	2000 U	1800 U	1800 U	2100 U	1800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	340 U	410 U	350 U	350 U	420 U	350 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	340 U	410 U	350 U	350 U	420 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	690 U	810 U	700 U	710 U	830 U	710 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1700 U	2000 U	1800 U	1800 U	2100 U	1800 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1700 U	2000 U	1800 U	1800 U	2100 U	1800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 UJ
ANTHRACENE	UG/KG	100000	10000000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
BENZIDINE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	340 U	410 U	350 U	350 U	420 U	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	340 U	410 U	350 U	350 U	420 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	340 U	410 U	350 U	350 U	420 U	350 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	340 U	410 U	350 U	350 U	420 U	350 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	340 U	410 U	350 U	350 U	420 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	17 J	410 U	350 U	350 U	420 U	350 U
CHRYSENE	UG/KG	500000	9000	40000	340 U	410 U	350 U	350 U	420 U	350 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	340 U	45 J	350 U	350 U	420 U	350 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-13 9/29/1999 0 - 1 ft.	SB-E15-8560-14 10/1/1999 0 - 1.5 ft.	SB-E15-8560-15 10/1/1999 0 - 1.5 ft.	SB-E15-8560-16 10/1/1999 0 - 1.5 ft.	SB-E15-8560-17 10/1/1999 0 - 2 ft.	SB-E15-8560-18 10/5/1999 0 - 2 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	340 U	410 U	350 U	350 U	420 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	340 U	39 J	350 U	350 U	420 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
FLUORENE	UG/KG	100000	2300000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	340 U	410 U	350 U	350 U	420 U	350 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	340 U	410 U	350 U	350 U	420 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	340 U	410 U	350 U	350 U	420 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	340 U	410 U	350 U	350 U	420 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	340 U	410 U	350 U	350 U	420 U	350 U
ISOPHORONE	UG/KG	50000	1100000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	340 UJ	410 U	350 U	350 U	420 U	350 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	340 U	410 U	350 U	350 U	420 U	350 U
NAPHTHALENE	UG/KG	100000	230000	4200000	340 U	410 U	350 U	350 U	420 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1700 U	2000 U	1800 U	1800 U	2100 U	1800 U
PHENANTHRENE	UG/KG	NA	NA	NA	340 U	410 U	350 U	350 U	420 U	350 U
PHENOL	UG/KG	50000	10000000	10000000	340 U	410 U	350 U	350 U	420 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	340 U	410 U	350 U	350 U	420 U	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-19 10/5/1999 0 - 2 ft.	SB-E15-8560-20 10/5/1999 0 - 2 ft.	SB-E15-8560-21 10/5/1999 0 - 1.5 ft.	SB-E15-8560-22 10/5/1999 0 - 2 ft.	SB-E15-8560-23 10/5/1999 0 - 1.5 ft.	SB-E15-8560-24 10/5/1999 0 - 1.5 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	350 U	340 U	350 U	360 U	350 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	350 U	340 U	350 U	360 U	350 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	350 U	340 U	350 U	360 U	350 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1800 U	1700 U	1700 U	1800 U	1800 U	1800 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	350 U	340 U	350 U	360 U	350 U	350 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	350 U	340 U	350 U	360 U	350 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	710 U	690 U	690 U	720 U	700 U	710 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1800 U	1700 U	1700 UJ	1800 UJ	1800 UJ	1800 UJ
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1800 U	1700 U	1700 U	1800 U	1800 U	1800 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
ANTHRACENE	UG/KG	100000	10000000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
BENZIDINE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	350 U	340 U	350 U	360 U	350 U	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	350 U	340 U	350 U	360 U	350 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	350 U	340 U	350 U	360 U	350 U	350 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	350 U	340 U	350 UJ	360 UJ	350 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	350 U	340 U	350 U	360 U	350 U	350 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	350 U	340 U	350 U	360 U	350 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	40 J	26 J	31 J	360 U	350 U	350 U
CHRYSENE	UG/KG	500000	9000	40000	350 U	340 U	350 U	360 U	350 U	350 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	34 J	340 U	350 U	360 U	350 U	350 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-19 10/5/1999 0 - 2 ft.	SB-E15-8560-20 10/5/1999 0 - 2 ft.	SB-E15-8560-21 10/5/1999 0 - 1.5 ft.	SB-E15-8560-22 10/5/1999 0 - 2 ft.	SB-E15-8560-23 10/5/1999 0 - 1.5 ft.	SB-E15-8560-24 10/5/1999 0 - 1.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	350 U	340 U	350 U	360 U	350 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	76 J	52 J	39 J	360 U	350 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
FLUORENE	UG/KG	100000	2300000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	350 U	340 U	350 UJ	360 UJ	350 UJ	350 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	350 U	340 U	350 U	360 U	350 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	350 U	340 U	350 U	360 U	350 U	350 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	350 U	340 U	350 U	360 U	350 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	350 U	340 U	350 UJ	360 UJ	350 UJ	350 UJ
ISOPHORONE	UG/KG	50000	1100000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 U	340 U	350 U	360 U	350 U	350 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	350 U	340 U	350 U	360 U	350 U	350 U
NAPHTHALENE	UG/KG	100000	230000	4200000	350 U	340 U	350 U	360 U	350 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1800 U	1700 U	1700 U	1800 U	1800 U	1800 U
PHENANTHRENE	UG/KG	NA	NA	NA	350 U	340 U	350 U	360 U	350 U	350 U
PHENOL	UG/KG	50000	10000000	10000000	350 U	340 U	350 U	360 U	350 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	350 U	340 U	350 U	360 U	350 U	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-25 10/5/1999 0 - 1.2 ft.	SB-E15-8560-26 10/5/1999 0 - 1.4 ft.	SB-E15-8560-27 10/5/1999 0 - 1.4 ft.	SB-E16-8561-02 10/6/1999 0.5 - 2.5 ft.	SB-E16-8561-02 7/26/2000 0.5 - 2.5 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	410 U	420 U	350 U	560 U	525 UJ	NR
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	410 U	420 U	350 U	560 U	525 UJ	470 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	410 U	420 U	350 U	560 U	525 UJ	470 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	420 U	350 U	560 U	525 UJ	470 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	410 U	420 U	350 U	NR	NR	470 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	410 U	420 U	350 U	NR	NR	470 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	410 U	420 U	350 U	NR	NR	470 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	1800 U	NR	NR	2300 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	410 U	420 U	350 U	NR	NR	470 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	410 U	420 U	350 U	NR	NR	470 U
2-NITROPHENOL	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	820 U	840 U	710 U	NR	NR	940 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2100 UJ	2100 U	1800 UJ	NR	NR	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	410 U	420 U	350 U	NR	NR	470 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2100 U	2100 U	1800 U	NR	NR	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	410 U	420 U	350 U	NR	NR	470 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
ANTHRACENE	UG/KG	100000	10000000	10000000	410 U	420 U	350 U	NR	NR	28 J
BENZIDINE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	410 U	420 U	350 U	NR	NR	180 J
BENZO(a)PYRENE	UG/KG	100000	660	660	410 U	420 U	350 U	NR	NR	220 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	410 U	420 U	350 U	NR	NR	330 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	130 J
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	410 U	420 U	350 U	NR	NR	120 J
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	350 U	NR	NR	470 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	410 U	420 U	350 U	NR	NR	470 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	20 J	350 U	NR	NR	130 J
CHRYSENE	UG/KG	500000	9000	40000	410 U	420 U	350 U	NR	NR	250 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	420 U	350 U	NR	NR	470 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	410 U	420 U	350 U	NR	NR	470 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-25 10/5/1999 0 - 1.2 ft.	SB-E15-8560-26 10/5/1999 0 - 1.4 ft.	SB-E15-8560-27 10/5/1999 0 - 1.4 ft.	SB-E16-8561-02 10/6/1999 0.5 - 2.5 ft.	SB-E16-8561-02 7/26/2000 0.5 - 2.5 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	410 U	420 U	350 U	NR	NR	470 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	110 J	70 J	NR	NR	470 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	420 U	350 U	NR	NR	470 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	410 U	420 U	350 U	NR	NR	390 J
FLUORENE	UG/KG	100000	2300000	10000000	410 U	420 U	350 U	NR	NR	470 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	410 UJ	420 U	350 UJ	NR	NR	470 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	410 U	420 U	350 U	NR	525 UJ	470 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	410 U	420 U	350 U	NR	NR	470 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	410 U	420 U	350 U	NR	NR	470 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	410 UJ	420 U	350 UJ	NR	NR	110 J
ISOPHORONE	UG/KG	50000	1100000	10000000	410 U	420 U	350 U	NR	NR	470 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	410 U	420 U	350 U	NR	NR	470 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	470 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	420 U	350 U	NR	NR	470 U
NAPHTHALENE	UG/KG	100000	230000	4200000	410 U	420 U	350 U	560 U	525 UJ	470 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2100 U	2100 U	1800 U	NR	NR	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	410 U	420 U	350 U	NR	NR	280 J
PHENOL	UG/KG	50000	10000000	10000000	410 U	420 U	350 U	NR	NR	470 U
PYRENE	UG/KG	100000	1700000	10000000	410 U	420 U	350 U	NR	NR	770

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-04 11/22/1999 0 - 0.5 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-E16-8561-05 11/22/1999 0 - 2 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	504 U	NR	400 U	370 U	380 U	370 U	470 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	NR	400 U	400 U	370 U	380 U	370 U	470 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	NR	400 U	400 U	370 U	380 U	370 U	470 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NR	2000 UJ	2000 UJ	1900 U	1900 UJ	1900 UJ	2300 UJ
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	NR	**130 J**	400 U	370 U	380 U	370 U	470 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	NR	400 U	400 U	370 U	380 U	370 U	470 U
2-NITROPHENOL	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	NR	790 U	790 U	750 U	760 U	740 U	940 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	NR	2000 UJ	2000 UJ	1900 U	1900 U	1900 U	2300 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
4-NITROPHENOL	UG/KG	NA	NA	NA	NR	2000 UJ	2000 UJ	1900 U	1900 U	1900 U	2300 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	NR	400 U	400 U	83 J	380 U	370 U	470 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	NR	400 U	400 U	250 J	380 U	52 J	470 U
ANTHRACENE	UG/KG	100000	10000000	10000000	NR	400 U	400 U	480	380 U	100 J	470 U
BENZIDINE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	NR	45 J	260 J	**2900**	380 U	**930**	470 U
BENZO(a)PYRENE	UG/KG	100000	660	660	NR	400 U	240 J	**2800**	380 U	**750**	470 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	NR	400 U	140 J	**3900**	380 U	**1000**	470 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	NR	400 U	390 J	2000	380 U	300 J	470 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	NR	400 U	400 U	**1100**	380 U	430	470 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	NR	400 U	400 U	16 J	380 U	370 U	470 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NR	59 J	85 J	120 J	380 U	370 U	470 U
CHRYSENE	UG/KG	500000	9000	40000	NR	46 J	870	2600	380 U	740	470 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NR	400 U	42 J	56 J	380 U	370 U	470 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E16-8561-04 11/22/1999 0 - 0.5 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-E16-8561-05 11/22/1999 0 - 2 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	NR	400 U	250 J	580	380 U	370 U	470 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	NR	89 J	82 J	5400	380 U	1100	470 U
FLUORENE	UG/KG	100000	2300000	10000000	NR	400 U	400 U	200 J	380 U	370 U	470 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	NR	400 U	400 U	370 U	380 U	370 U	470 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	NR	400 U	400 U	370 U	380 U	370 U	470 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	NR	400 U	400 U	370 U	380 U	370 U	470 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	NR	400 U	400 U	370 U	380 U	370 U	470 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	NR	400 U	210 J	**1800**	380 U	280 J	470 U
ISOPHORONE	UG/KG	50000	1100000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	NR	400 U	400 U	370 U	380 U	370 U	470 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	NR	400 U	400 U	370 U	380 U	370 U	470 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NR	79 J	400 U	370 U	380 U	370 U	470 U
NAPHTHALENE	UG/KG	100000	230000	4200000	NR	400 UJ	400 UJ	40 J	380 U	370 U	470 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	NR	2000 U	2000 U	1900 U	1900 U	1900 U	2300 U
PHENANTHRENE	UG/KG	NA	NA	NA	NR	58 J	33 J	2400	380 U	230 J	470 U
PHENOL	UG/KG	50000	10000000	10000000	NR	400 U	400 U	370 U	380 U	370 U	470 U
PYRENE	UG/KG	100000	1700000	10000000	NR	110 J	400 U	5300 *D	380 U	1600	470 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H14-3-03 10/6/1999 0 - 1 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.	SB-J14-2-03 10/6/1999 0 - 1.8 ft.	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	470 U	440 U	530 U	NR	440 U	NR	440 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 UJ	2200 UJ	2600 U	781 U	2200 UJ	962 U	2200 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
2-NITROPHENOL	UG/KG	NA	NA	NA	470 U	440 U	530 U	NR	440 U	NR	440 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	940 U	890 U	1100 U	781 U	880 U	962 U	880 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2300 U	2200 U	2600 U	781 U	2200 U	962 U	2200 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	440 U	530 UJ	390 U	440 U	481 U	440 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2300 U	2200 U	2600 U	NR	2200 U	NR	2200 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	470 U	440 U	32 J	390 U	440 U	26.4 J	440 U
ANTHRACENE	UG/KG	100000	10000000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
BENZIDINE	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	470 U	40 J	160 J	390 U	440 U	83.7 J	59 J
BENZO(a)PYRENE	UG/KG	100000	660	660	27 J	32 J	180 J	390 U	440 U	65.4 J	68 J
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	470 U	440 U	210 J	390 U	440 U	115 J	120 J
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	470 U	440 U	160 J	390 U	440 U	481 U	440 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	390 U	NR	481 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	470 U	440 U	130 J	390 U	440 U	54.3 J	46 J
CHRYSENE	UG/KG	500000	9000	40000	470 U	440 U	190 J	390 U	440 U	101 J	79 J
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	470 U	440 U	530 U	390 U	440 U	229 J	93 J
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-H14-3-03 10/6/1999 0 - 1 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.	SB-J14-2-03 10/6/1999 0 - 1.8 ft.	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	470 U	440 U	530 UJ	390 U	440 U	481 U	440 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	470 U	440 U	320 J	390 U	440 U	178 J	160 J
FLUORENE	UG/KG	100000	2300000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	470 U	440 U	530 UJ	NR	440 U	NR	440 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	470 U	440 U	530 UJ	390 UJ	440 U	481 UJ	440 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	470 U	440 U	130 J	390 U	440 U	84.1 J	440 U
ISOPHORONE	UG/KG	50000	1100000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	470 U	440 U	530 U	390 U	440 U	481 U	440 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	470 U	440 U	530 U	390 U	440 U	481 U	440 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	470 U	440 U	530 U	NR	440 U	NR	440 U
NAPHTHALENE	UG/KG	100000	230000	4200000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2300 U	2200 U	2600 U	781 U	2200 U	962 U	2200 U
PHENANTHRENE	UG/KG	NA	NA	NA	29 J	48 J	230 J	390 U	440 U	116 J	97 J
PHENOL	UG/KG	50000	10000000	10000000	470 U	440 U	530 U	390 U	440 U	481 U	440 U
PYRENE	UG/KG	100000	1700000	10000000	470 U	440 U	530 J	390 U	440 U	205 J	180 J

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	350 U	570 U	410 U	NR	410 U	NR	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	1800 U	2900 U	2100 U	809 U	2100 U	791 U	2000 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	350 U	570 U	410 U	NR	410 U	NR	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	710 U	1100 U	820 U	809 U	820 U	791 U	790 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	1800 U	2900 U	2100 U	809 U	2100 U	791 U	2000 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	1800 U	2900 U	2100 U	NR	2100 U	NR	2000 U
ACENAPHTHENE	UG/KG	100000	3400000	10000000	120 J	570 U	410 U	405 U	410 U	395 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	350 U	38 J	410 U	405 U	410 U	395 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	370	35 J	28 J	405 U	410 U	395 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	**2900**	310 J	130 J	405 U	46 J	395 U	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	**2300 J**	350 J	140 J	405 U	36 J	395 U	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	**3400 J**	390 J	220 J	405 U	410 U	395 U	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	910 J	180 J	410 U	405 U	410 U	395 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	**1300 J**	180 J	130 J	405 U	410 U	395 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	NR	NR	405 U	NR	395 U	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	61 J	570 U	21 J	405 U	410 U	395 U	400 U
CHRYSENE	UG/KG	500000	9000	40000	2400	330 J	210 J	405 U	40 J	395 U	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	85 J	570 U	17 J	405 U	95 J	395 U	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	220 J	570 U	410 U	405 U	410 U	395 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	59 J	410 U	405 U	42 J	395 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	2800	540 J	240 J	405 U	410 U	395 U	400 U
FLUORENE	UG/KG	100000	2300000	10000000	79 J	570 U	410 U	405 U	410 U	395 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	350 U	570 U	410 U	NR	410 U	NR	400 U
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	350 U	570 U	410 U	405 UJ	410 U	395 UJ	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	700 J	170 J	410 U	405 U	410 U	395 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	350 U	570 U	410 U	405 U	410 U	395 U	400 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	350 U	570 U	410 U	405 U	410 U	395 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	350 U	570 U	410 U	NR	410 U	NR	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	350 U	570 U	53 J	405 U	410 U	395 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1800 U	2900 U	2100 U	809 U	2100 U	791 U	2000 U
PHENANTHRENE	UG/KG	NA	NA	NA	1500	170 J	230 J	405 U	28 J	395 U	400 U
PHENOL	UG/KG	50000	10000000	10000000	350 U	570 U	410 U	405 U	410 U	395 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	6400	560 J	210 J	405 U	410 U	395 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.	SB-O14-1-03 6/29/2000 0 - 1 ft.
Semi-Volatile Organic Compounds										
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	430 U	386 U	440 U	382 U	360 U	350 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	430 U	NR	440 U	NR	360 U	NR
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	430 U	386 U	440 U	382 U	360 U	350 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	430 U	386 U	440 U	382 U	360 U	350 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	771 U	2200 U	763 U	1800 U	700 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	430 U	386 U	440 U	382 U	360 U	350 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	430 U	386 U	440 U	382 U	360 U	350 U
2-NITROPHENOL	UG/KG	NA	NA	NA	430 U	NR	440 U	NR	360 U	NR
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	870 U	771 U	880 U	763 U	720 U	700 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2200 U	771 U	2200 U	763 U	1800 U	700 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2200 U	NR	2200 U	NR	1800 U	NR
ACENAPHTHENE	UG/KG	100000	3400000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
ANTHRACENE	UG/KG	100000	10000000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
BENZIDINE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	430 U	93.7 J	85 J	382 U	360 U	350 U
BENZO(a)PYRENE	UG/KG	100000	660	660	430 U	59.8 J	66 J	382 U	360 U	350 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	430 U	80.6 J	200 J	115 J	360 U	350 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	430 U	386 U	74 J	382 U	360 U	350 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	430 U	386 U	440 U	382 U	360 U	350 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	386 U	NR	382 U	NR	350 U
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	386 U	130 J	382 U	19 J	350 U
CHRYSENE	UG/KG	500000	9000	40000	430 U	93.7 J	130 J	382 U	360 U	350 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	430 U	102 J	58 J	146 J	360 U	350 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.	SB-O14-1-03 6/29/2000 0 - 1 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	430 U	386 U	440 U	382 U	360 U	350 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	430 U	169 J	210 J	202 J	360 U	350 U
FLUORENE	UG/KG	100000	2300000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	430 U	NR	440 U	NR	360 U	NR
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	430 U	386 U	440 U	382 U	360 U	350 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	430 U	386 UJ	440 U	382 UJ	360 U	350 UJ
HEXACHLOROETHANE	UG/KG	100000	6000	100000	430 U	386 U	440 U	382 U	360 U	350 U
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	430 U	386 U	440 U	382 U	360 U	350 U
ISOPHORONE	UG/KG	50000	1100000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	430 U	386 U	440 U	382 U	360 U	350 U
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	430 U	386 U	440 U	382 U	360 U	350 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	430 U	NR	440 U	NR	360 U	NR
NAPHTHALENE	UG/KG	100000	230000	4200000	430 U	386 U	440 U	382 U	360 U	350 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2200 U	771 U	2200 U	763 U	1800 U	700 U
PHENANTHRENE	UG/KG	NA	NA	NA	34 J	128 J	61 J	93.5 J	360 U	350 U
PHENOL	UG/KG	50000	10000000	10000000	430 U	386 U	440 U	382 U	360 U	350 U
PYRENE	UG/KG	100000	1700000	10000000	430 U	175 J	160 J	255 J	360 U	350 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.	TP-E16-8561-05 8/9/2000 2.5 - 4.5 ft.	TP-O13-7-05 8/10/2000 7.5 - 9.5 ft.
Semi-Volatile Organic Compounds								
1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	400 UJ	415 U	383 U	400 U
1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	400 U	415 U	383 U	400 U
1,2-DIPHENYLHYDRAZINE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 UJ
1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	400 U	415 U	383 U	400 U
1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	400 U	415 U	383 U	400 U
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/KG	NA	NA	NA	400 U	NR	383 U	400 U
2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	400 U	415 U	383 U	400 U
2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	400 U	415 U	383 U	400 U
2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	400 U	415 U	383 U	400 U
2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	831 U	767 U	801 U
2,4/2,6-DINITROTOLUENE_SVOCS	UG/KG	0.3	940	4200	400 U	415 U	383 U	400 U
2-CHLORONAPHTHALENE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
2-CHLOROPHENOL	UG/KG	10000	280000	5200000	400 U	415 U	383 U	400 U
2-NITROPHENOL	UG/KG	NA	NA	NA	400 U	NR	383 U	400 U
3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	790 U	831 U	767 U	801 U
4,6-DINITRO-2-METHYLPHENOL	UG/KG	NA	NA	NA	2000 U	831 U	767 U	801 U
4-BROMOPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	400 U	415 U	383 U	400 U
4-CHLOROPHENYL PHENYL ETHER	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
4-NITROPHENOL	UG/KG	NA	NA	NA	2000 U	NR	767 U	801 UJ
ACENAPHTHENE	UG/KG	100000	3400000	10000000	400 U	415 U	383 U	400 U
ACENAPHTHYLENE	UG/KG	NA	NA	NA	400 UJ	415 U	383 U	400 U
ANTHRACENE	UG/KG	100000	10000000	10000000	400 U	415 U	383 U	400 U
BENZIDINE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 UJ
BENZO(a)ANTHRACENE	UG/KG	500000	900	4000	400 U	415 U	383 U	400 U
BENZO(a)PYRENE	UG/KG	100000	660	660	400 U	415 U	383 U	400 U
BENZO(b)FLUORANTHENE	UG/KG	50000	900	4000	400 U	415 U	383 U	400 U
BENZO(g,h,i)PERYLENE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
BENZO(k)FLUORANTHENE	UG/KG	500000	900	4000	400 U	415 U	383 U	400 U
BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	400 U	415 U	383 U	400 U
bis(2-CHLOROETHOXY) METHANE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	400 U	415 U	383 U	400 U
bis(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	NR	415 U	NR	NR
bis(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	415 U	21.1 J	20.8 J
CHRYSENE	UG/KG	500000	9000	40000	400 U	415 U	383 U	400 U
DI-n-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	400 U	415 U	383 U	400 U
DI-n-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	400 U	415 U	383 U	400 U

Table 5-13B

Analytical Results
Miscellaneous/Offsite Area - Semi-Volatile Organic Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.	TP-E16-8561-05 8/9/2000 2.5 - 4.5 ft.	TP-O13-7-05 8/10/2000 7.5 - 9.5 ft.
DIBENZ(a,h)ANTHRACENE	UG/KG	100000	660	660	400 U	415 U	383 U	400 U
DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	415 U	383 U	400 U
DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	400 U	415 U	383 U	400 U
FLUORANTHENE	UG/KG	100000	2300000	10000000	400 U	415 U	383 U	400 U
FLUORENE	UG/KG	100000	2300000	10000000	400 U	415 U	383 U	400 U
HEXACHLOROBENZENE	UG/KG	100000	660	2000	400 U	NR	383 U	400 UJ
HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	400 U	415 U	383 U	400 U
HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	400 U	415 UJ	383 U	400 U
HEXACHLOROETHANE	UG/KG	100000	6000	100000	400 U	415 U	383 U	400 UJ
INDENO(1,2,3-c,d)PYRENE	UG/KG	500000	900	4000	400 U	415 U	383 U	400 U
ISOPHORONE	UG/KG	50000	1100000	10000000	400 U	415 U	383 U	400 U
N-NITROSODI-n-PROPYLAMINE	UG/KG	10000	660	660	400 U	415 U	383 U	400 UJ
N-NITROSODIMETHYLAMINE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	400 U	NR	383 U	400 U
NAPHTHALENE	UG/KG	100000	230000	4200000	400 U	415 U	383 U	400 U
PENTACHLOROPHENOL	UG/KG	100000	6000	24000	2000 U	831 U	767 U	801 U
PHENANTHRENE	UG/KG	NA	NA	NA	400 U	415 U	383 U	400 U
PHENOL	UG/KG	50000	10000000	10000000	400 U	415 U	383 U	400 U
PYRENE	UG/KG	100000	1700000	10000000	400 UJ	415 U	383 U	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.	SB-E15-8560-01 9/29/1999 0 - 1.5 ft.	SB-E15-8560-02 9/29/1999 0 - 1.5 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	376 U	361 U	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	753 U	721 U	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	350 U	3800 U	380 U	376 U	361 U	380 U	350 U	340 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	376 U	361 U	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR

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D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-03 9/29/1999 0 - 1.5 ft.	SB-E15-8560-04 9/29/1999 0 - 2 ft.	SB-E15-8560-05 9/29/1999 0 - 1.5 ft.	SB-E15-8560-06 9/29/1999 0 - 5 ft.	SB-E15-8560-07 9/29/1999 0 - 1.5 ft.	SB-E15-8560-08 9/29/1999 0 - 2 ft.	SB-E15-8560-09 9/29/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	390 U	350 U	350 U	350 U	460 U	390 U	350 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-10 9/29/1999 0 - 1.5 ft.	SB-E15-8560-11 9/29/1999 0 - 1 ft.	SB-E15-8560-12 9/29/1999 0 - 2 ft.	SB-E15-8560-13 9/29/1999 0 - 1 ft.	SB-E15-8560-14 10/1/1999 0 - 1.5 ft.	SB-E15-8560-15 10/1/1999 0 - 1.5 ft.	SB-E15-8560-16 10/1/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	350 U	380 U	350 U	340 U	410 U	350 U	350 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-17 10/1/1999 0 - 2 ft.	SB-E15-8560-18 10/5/1999 0 - 2 ft.	SB-E15-8560-19 10/5/1999 0 - 2 ft.	SB-E15-8560-20 10/5/1999 0 - 2 ft.	SB-E15-8560-21 10/5/1999 0 - 1.5 ft.	SB-E15-8560-22 10/5/1999 0 - 2 ft.	SB-E15-8560-23 10/5/1999 0 - 1.5 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	420 U	350 U	350 U	340 U	350 U	360 U	350 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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NS = No Standard
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IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-E15-8560-24 10/5/1999 0 - 1.5 ft.	SB-E15-8560-25 10/5/1999 0 - 1.2 ft.	SB-E15-8560-26 10/5/1999 0 - 1.4 ft.	SB-E15-8560-27 10/5/1999 0 - 1.4 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.	SB-E16-8561-04 11/22/1999 0 - 2 ft.	SB-E16-8561-05 11/22/1999 0 - 2 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	350 U	410 U	420 U	350 U	470 U	400 U	400 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

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R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G14-1-01 11/18/1999 0 - 2 ft.	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.	SB-H14-3-03 10/6/1999 0 - 1 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	390 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	781 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	370 U	380 U	370 U	470 U	470 U	440 U	530 U	390 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	NR	NR	NR	NR	NR	NR	390 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-J14-2-03 10/6/1999 0 - 1.8 ft.	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.
Energetics & Explosives												
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	481 U	NR	NR	NR	NR	405 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	NR	962 U	NR	NR	NR	NR	809 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	440 U	481 U	440 U	350 U	570 U	410 U	405 U	410 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	NR	481 U	NR	NR	NR	NR	405 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.
Energetics & Explosives											
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	NR	NR	NR
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	NR	NR	NR
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	NR	NR	NR
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	NR	NR	NR
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	NR	NR	NR
2-NITROTOLUENE	UG/KG	NA	780000	10000000	395 U	NR	NR	386 U	NR	382 U	NR
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	NR	NR	NR
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	NR	NR	NR
4-NITROTOLUENE	UG/KG	NA	780000	10000000	791 U	NR	NR	771 U	NR	763 U	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	NR	NR	NR
NITROBENZENE	UG/KG	10000	39000	510000	395 U	400 U	430 U	386 U	440 U	382 U	360 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR
NITROGLYCERIN	UG/KG	NA	46000	200000	395 U	NR	NR	386 U	NR	382 U	NR
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	NR	NR	NR
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	NR	NR	NR

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
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N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13C

Analytical Results
Miscellaneous/Offsite Area - Energetic and Explosive Compounds
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O14-1-03 6/29/2000 0 - 1 ft.	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.	TP-E16-8561-05 8/9/2000 2.5 - 4.5 ft.	TP-O13-7-05 8/10/2000 7.5 - 9.5 ft.
Energetics & Explosives									
1,3,5-TRINITROBENZENE	UG/KG	NA	2300000	10000000	NR	NR	NR	NR	200 U
1,3-DINITROBENZENE	UG/KG	20	7800	100000	NR	NR	NR	NR	200 U
2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NR	NR	NR	NR	200 U
2,4/2,6-DINITROTOLUENE_E&E	UG/KG	0.3	940	4200	NR	NR	NR	NR	200 U
2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NR	NR	NR	NR	200 U
2-NITROTOLUENE	UG/KG	NA	780000	10000000	350 U	NR	415 U	NR	400 U
3-NITROTOLUENE	UG/KG	NA	1600000	10000000	NR	NR	NR	NR	400 U
4-AMINO-2,6-DINITROTOLUENE	UG/KG	NA	4700	61000	NR	NR	NR	NR	200 U
4-NITROTOLUENE	UG/KG	NA	780000	10000000	700 U	NR	831 U	NR	400 U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/KG	NA	5800	26000	NR	NR	NR	NR	400 U
NITROBENZENE	UG/KG	10000	39000	510000	350 U	400 U	415 U	383 U	200 U
NITROCELLULOSE	MG/KG	NA	NA	NA	NR	NR	NR	NR	34 UJ
NITROGLYCERIN	UG/KG	NA	46000	200000	350 U	NR	415 U	NR	5110 U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/KG	NA	3900000	10000000	NR	NR	NR	NR	400 U
TETRYL	UG/KG	NA	780000	10000000	NR	NR	NR	NR	400 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface
IGWSCC standard applied to 2,4/2,6-Dinitrotoluene is the IGWSCC standard for 2,4-Dinitrotoluene

Table 5-13D

Analytical Results
Miscellaneous/Offsite Area - PCBs
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-N13-5-01 10/4/1999 0 - 2 ft.	SB-O13-8-01 10/4/1999 0 - 2 ft.	SB-O13-8-02 10/4/1999 0 - 2 ft.	SB-O13-8-03 10/4/1999 0 - 1 ft.
Polychlorinated Biphenyls								
PCB-1016 (AROCHLOR 1016)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1221 (AROCHLOR 1221)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1232 (AROCHLOR 1232)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1242 (AROCHLOR 1242)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1248 (AROCHLOR 1248)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1254 (AROCHLOR 1254)	UG/KG	NA	NA	NA	25 U	21 U	21 U	21 U
PCB-1260 (AROCHLOR 1260)	UG/KG	NA	NA	NA	50 U	40 U	41 U	41 U
TOTAL PCBS	UG/KG	50000	490	2000	50 U	40 U	41 U	41 U

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
RDCSCC = Residential Direct Contact Soil Cleanup Criteria
NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13E

Analytical Results
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-D16-1-01 11/18/1999 0 - 0.8 ft.	SB-D16-1-02 10/5/1999 0 - 0.8 ft.	SB-D16-2-01 10/5/1999 0 - 0.8 ft.	SB-D16-2-04 6/29/2000 0 - 1.5 ft.	SB-D16-3-04 6/29/2000 0 - 2 ft.	SB-D16-3-05 10/5/1999 0 - 2 ft.	SB-E16-8561-03 10/6/1999 0 - 0.8 ft.	SB-G14-1-01 11/18/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.38 UJ	1 UJ	1 UJ	0.658 U	0.596 U	0.94 UJ	1.1 J	0.53 UJ
ARSENIC	MG/KG	NA	20	20	5.3	3	2.5	2.85	3.31	3.6	12.1	9.2
BERYLLIUM	MG/KG	NA	2	2	0.52	0.5 B	0.71	0.45 J	0.44 J	0.62	0.24 B	0.49
CADMIUM	MG/KG	NA	39	100	0.54	0.23 B	0.11 U	0.64	0.622	0.56 U	1	0.99
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	12	15	10.3	15.8	16.5	12	9.1	12.2
COPPER	MG/KG	NA	600	600	55.2	91.9	17.1	17.3	12.4	89.1	52.4	28.2
LEAD	MG/KG	NA	400	600	334	395 J	159 J	149	45.6	26.5 J	**469 J**	141
MERCURY	MG/KG	NA	14	270	0.19 J	0.11	0.06	0.056	0.039	0.04	0.66	0.47 J
NICKEL	MG/KG	NA	250	2400	8	8.6 *	7.2 *	7.95	7.21	6.9 *	5.1 *	8.4
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.68 UJ	1 U	1 U	1.1 UJ	0.594 UJ	1.2	0.9 B	0.96 UJ
SILVER	MG/KG	NA	110	4100	0.23 U	0.6 U	0.6 U	0.329 U	0.298 U	0.56 U	0.2 B	0.32 U
THALLIUM	MG/KG	NA	2	2	0.76 U	2 U	2 U	1.1 U	0.994 U	1.9 U	2.4 U	1.1 U
ZINC	MG/KG	NA	1500	1500	137 *N	169	92	107	49.7	81.8	699 J	239 *N

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13E

Analytical Results
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-G14-1-02 10/6/1999 0 - 2 ft.	SB-G14-2-05 10/6/1999 0 - 1 ft.	SB-H14-2-02 10/6/1999 0 - 0.8 ft.	SB-H14-3-03 10/6/1999 0 - 1 ft.	SB-H14-3-19 10/6/1999 0 - 0.8 ft.	SB-H14-3-19 11/18/1999 0 - 0.5 ft.	SB-J14-2-02 6/29/2000 0 - 1 ft.	SB-J14-2-03 10/6/1999 0 - 1.8 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.95 UJ	0.95 UJ	1.1 UJ	1.7 J	0.88 J	1.2 J	0.67 U	0.86 J
ARSENIC	MG/KG	NA	20	20	3.4	16.2	4	10.4	10	10.3	4.83	3.4
BERYLLIUM	MG/KG	NA	2	2	0.62	0.24 B	0.19 B	0.15 B	0.14 B	0.14 B	0.398 J	0.57 B
CADMIUM	MG/KG	NA	39	100	0.57 U	0.32 B	0.68 U	0.83 B	0.72 U	0.4 B	0.509	0.79 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	14.4	7.3	9.9	23.8	11.1	9.8	15.6	16.2
COPPER	MG/KG	NA	600	600	12.2 U	15.7 U	14.4 U	52.2	17.8 U	24	14.6	8.8 U
LEAD	MG/KG	NA	400	600	13.1 J	63.7 J	29.9 J	**1340 J**	**541 J**	**575**	17.1	16.2 J
MERCURY	MG/KG	NA	14	270	0.13	0.23	0.15	1.4	0.21	0.36 J	0.078	0.16
NICKEL	MG/KG	NA	250	2400	8.5 *	7.8 *	5.8 *	5.2 *	6.6 *	8.3	9.05	10.2 *
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.1	0.95 U	0.81 B	1.8	1.8	2.6 J	1.14 UJ	0.82 B
SILVER	MG/KG	NA	110	4100	0.57 U	0.57 U	0.68 U	0.38 U	0.72 U	0.27 B	0.335 U	0.79 U
THALLIUM	MG/KG	NA	2	2	1.9 U	1.9 U	2.3 U	2.8 U	2.4 U	1.3 U	1.12 U	2.6 U
ZINC	MG/KG	NA	1500	1500	64.1	59.2	33.9	821	30.2	44.4 *N	39.3	56.4

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U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
B = Indicates that the compound was found in the associated blank.
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
D = Indicates compound was found in analysis as a secondary dilution factor
R = Rejected based on data validation
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
NS = No Standard
ft. = Feet below ground surface

Table 5-13E

Analytical Results
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-M11-1-01 6/29/2000 0 - 0.75 ft.	SB-M11-1-02 10/6/1999 0 - 0.5 ft.	SB-M11-8606-03 10/6/1999 0 - 1 ft.	SB-N13-1-03 10/4/1999 0 - 0.8 ft.	SB-N13-4-04 10/4/1999 0 - 1 ft.	SB-O13-1-01 10/1/1999 0 - 2 ft.	SB-O13-1-17 10/1/1999 0 - 2 ft.	SB-O13-2-17 10/1/1999 0 - 2 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	0.982	0.47 J	22.4 UJ	0.83 U	1.1 U	**35.6 J**	1.2 UJ	6.6 J
ARSENIC	MG/KG	NA	20	20	7.63	6.2	22.4 U	14.7	**21.2**	4.6	5.5	7.3
BERYLLIUM	MG/KG	NA	2	2	0.096 J	0.09 B	**183**	0.63 B	0.56 B	0.28 B	0.6	0.15 B
CADMIUM	MG/KG	NA	39	100	0.461	0.12 U	13.4 U	0.66 U	0.66 U	0.74 U	0.59 U	0.82 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	8.95	6.1	62.8	15.5	14.6	16.4	21.4	15
COPPER	MG/KG	NA	600	600	10.4	9.8	**3950**	29.8	65.4	245	21.8	10
LEAD	MG/KG	NA	400	600	70.2	73.3 J	**1020 J**	123 N	296 N	**5670**	54.2	**1390**
MERCURY	MG/KG	NA	14	270	0.098	0.11	0.02 B	0.52	11.4	0.06	0.1	0.05
NICKEL	MG/KG	NA	250	2400	3.16	2.4 *	197 *	15.5	9.5	9.9	10.7	7.2
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	1.63 UJ	1.3	22.4 U	1.8 N	3 N	1.3	0.91 B	1.4 U
SILVER	MG/KG	NA	110	4100	0.31 J	0.16 B	5.7 B	0.66 U	0.23 B	0.74 U	0.59 U	0.82 U
THALLIUM	MG/KG	NA	2	2	1.44 U	2.3 U	44.7 U	**2.1 B**	**2.1 B**	2.5 U	1.3 B	2.7 U
ZINC	MG/KG	NA	1500	1500	23.5	27.5 J	**45000 J**	107	265	100	111	40.6

IGWSCC = Impact to Groundwater Soil Cleanup Criteria
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R = Rejected based on data validation
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NR = Not Reported
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ft. = Feet below ground surface

Table 5-13E

Analytical Results
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-2-18 10/1/1999 0 - 2 ft.	SB-O13-4-01 6/29/2000 0 - 1.5 ft.	SB-O13-4-02 10/4/1999 0 - 2 ft.	SB-O13-7-01 6/29/2000 0 - 1 ft.	SB-O13-7-03 10/4/1999 0 - 1 ft.	SB-O13-8577-02 10/4/1999 0 - 2 ft.	SB-O13-8577-03 6/29/2000 0 - 1.5 ft.	SB-O13-8604-01 10/4/1999 0 - 1.5 ft.
Metals, Total												
ANTIMONY	MG/KG	NA	14	340	1.7 UJ	0.681 U	0.51 U	0.681 U	1.1 UN	0.44 U	0.656 U	0.68 U
ARSENIC	MG/KG	NA	20	20	5.3	16.2	12.2	3.53	5	4.3	3.75	3.9
BERYLLIUM	MG/KG	NA	2	2	0.11 B	0.814 J	0.49 B	0.491 J	0.44 B	0.28 B	0.4 J	0.42 B
CADMIUM	MG/KG	NA	39	100	0.71 U	1.17	0.54 U	0.677	0.65	0.65 U	0.754	0.64 U
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	16.7	16.6	12.5	13.6	13.3	13.2	11.6	10.9
COPPER	MG/KG	NA	600	600	8.1	25.7	16.5	12.6	60	10.6	13	18.1
LEAD	MG/KG	NA	400	600	**906**	22.9	25.8 N	20.4	49.2 N	11.8 N	117	12 N
MERCURY	MG/KG	NA	14	270	0.05	0.028 J	0.08	0.335	0.51	0.06	0.076	0.05
NICKEL	MG/KG	NA	250	2400	6.9	12.7	8.7	6.84	7.8	5.6	6.86	7.3
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR	NR	6.37	NR
SELENIUM	MG/KG	NA	63	3100	1.1 B	2.01 J	1.5 N	0.567 UJ	0.65 BN	0.75 BN	0.627 UJ	1.1 UN
SILVER	MG/KG	NA	110	4100	0.71 U	0.341 U	0.54 U	0.34 U	0.64 U	0.65 U	0.328 U	0.64 U
THALLIUM	MG/KG	NA	2	2	2.4 U	1.14 U	1.8 U	1.13 U	1.3 B	2.2 U	1.09 U	2.1 U
ZINC	MG/KG	NA	1500	1500	33	44.3	37	60.7	319	35.6	64.9	154

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Table 5-13E

Analytical Results
Miscellaneous/Offsite Area - Metals
Phase I - Site Investigation
Kenvil Works Facility, New Jersey

	Units	IGWSCC	RDCSCC	NRDCSCC	SB-O13-8604-03 6/29/2000 0 - 1 ft.	SB-O14-1-01 10/6/1999 0 - 1 ft.	SB-O14-1-03 6/29/2000 0 - 1 ft.	SB-O14-8603-02 10/4/1999 0 - 2 ft.	SB-O14-8603-04 6/29/2000 0 - 2 ft.
Metals, Total									
ANTIMONY	MG/KG	NA	14	340	0.643 U	0.98 UJ	0.589 U	0.52 UJ	0.72 J
ARSENIC	MG/KG	NA	20	20	3.81	2.8	1.39	4.7	7.51
BERYLLIUM	MG/KG	NA	2	2	0.44 J	0.55 B	0.329 J	0.43 B	0.451 J
CADMIUM	MG/KG	NA	39	100	19	0.59 U	0.523	0.54 U	0.766
CHROMIUM, TOTAL	MG/KG	NA	120000	NA	15.9	14.6	9.53	14.6	107
COPPER	MG/KG	NA	600	600	28.7	15.5	11.8	8.2	158
LEAD	MG/KG	NA	400	600	84.2	7.2 J	7.12	11 J	62.9
MERCURY	MG/KG	NA	14	270	6.29	0.03 U	0.034 U	0.03 B	0.065
NICKEL	MG/KG	NA	250	2400	10.4	9.5 *	6.01	6.9	6.85
pH	PH	NA	NA	NA	NR	NR	NR	NR	NR
SELENIUM	MG/KG	NA	63	3100	0.647 UJ	0.63 B	0.491 UJ	0.65 J	1.05 UJ
SILVER	MG/KG	NA	110	4100	0.321 U	0.59 U	0.294 U	0.54 U	0.36 U
THALLIUM	MG/KG	NA	2	2	1.07 U	2 U	0.982 U	1.6 B	1.2 U
ZINC	MG/KG	NA	1500	1500	323	47.8 J	36.5	52.6	295

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