HERCULES

Hercules - Kenvil Works Facility
Kenvil, New Jersey

Final Groundwater Site Investigation Report

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MWH

FINAL GROUNDWATER SITE INVESTIGATION REPORT

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KENVIL, NEW JERSEY

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LIST OF ACRONYMS AND ABBREVIATIONS

Alliant	Alliant Techsystems
AN	Ammonium Nitrate
ANFO	Ammonium Nitrate/Fuel Oil
AOC	Areas of Concern
AQAPP	Analytical Quality Assurance Project Plan
bgs	below ground surface
DIAZO	Diazodinitrophenol
DNT	2,4/2,6-Dinitrotoluene
DQO	Data Quality Objectives
DTB	Depth to Bottom
DTW	Depth to Water
E&E	Explosive and Energetic
EDDs	Electronic Database Deliverables
EDI	Electronic Data Interchange
EDM	Electronic Distance Measurement
EQ	Equipment Blank
FA	Further Action
Facility	Kenvil Works facility
Ft.	feet
FQAPP	*Field Quality Assurance Project Plan*
FSP	Field Sampling Plan
g/cc	gram per cubic centiliter
GC/MS	Gas Chromatograph/Mass Spectrograph
GenChem	General chemistry
GIS	Geographic Information System
gpm	gallons per minute
GPR	Ground Penetrating Radar
GPS	Global Positioning System
GW	Groundwater
GWQS	Class II-A Groundwater Cleanup Criteria
Hercules	Hercules Incorporated
HMX	cyclotetramethylenetetranitramine
HPLC	High Performance Liquid Chromatograph
IGWSCC	Impact to Groundwater Soil Clean-up Criteria
ISRA	Jersey's Industrial Site Recovery Act
LCS	Laboratory Control Samples
LLI	Lancaster Laboratories, Inc.
MS/MSD	Matrix Spike and Matrix Spike Duplicate
MSL	Mean Sea Level
MW	Monitoring Well
MWH	MWH Americas, Inc.

LIST OF ACRONYMS AND ABBREVIATIONS

N.J.A.C	New Jersey Administrative Code
NAVD	North American Vertical Datum
NC	Nitrocellulose
ND	Not Detected
NFA	No Further Action
NG	Nitroglycerin
NJDEP	New Jersey Department of Environmental Protection
NRDCSCC	Non-Residential Direct Contact Soil Cleanup Criteria
NS	No Standard
PA	Preliminary Assessment
PA/SI	Preliminary Assessment/ Site Investigation
PARCC	Precision, Accuracy, Representativeness, Comparability, Completeness
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PETN	Pentaerythritol Tetranitrate
PSO	Project Safety Officer
QA/QC	Quality Assurance/Quality Control
RA	Remedial Agreement
RDCSCC	Residential Direct Contact Soil Clean-up Criteria
RDX	cyclotrimethylenetrinitramine
RI	Remedial Investigation
Roux	Roux Associates
SAP	Sampling and Analysis Plan
SD	Sediment
SDG	Sample Delivery Group
SI	Site Investigation
SOP	Standard Operating Procedures
sq. ft.	square feet
SSHSP	Site-Specific Health and Safety Plan
SVOCs	Semivolatile Organic Compounds
SW	Surface Water
TB	Trip Blank
TCE	Trichloroethylene
Technical Requirements	Technical Requirements for Site Remediation
TNT	Trinitrotoluene
TOC	Total Organic Carbon
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
WWTP	Wastewater Treatment Plant

EXECUTIVE SUMMARY

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

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

Due to the size of the Facility and large number of AOCs in close proximity to one another (approximately 1,200), it was not feasible to collect groundwater samples at each AOC as described in N.J.A.C. 7:26E-3.7. Hercules in compliance with the intent of N.J.A.C. 7:26E-3.7 utilized the following protocol as allowed under N.J.A.C. 7:26E-1.6(c), as specified in the Sampling and Analysis Plan, May 2001.

- Groundwater sample locations were placed at a frequency of one location per Facility base map grid (500 ft by 500 ft) in which facility operations have occurred. Each groundwater sample location was biased to the AOC location within each grid determined to have the highest soil contamination level based on the results of the Soils - SI.
- Additionally, groundwater sample locations were placed approximately every 300 linear feet along the southern boundary of Facility operations in the down-gradient groundwater flow direction. These sample locations were placed to ensure that if a potential groundwater plume existed, it would be identified prior to leaving the facility property.
- This yielded a network of 89 sample locations resulting in 157 samples collected.

The results of the laboratory analysis performed during the GW – SI field investigation were compared to the applicable NJDEP groundwater cleanup criteria presented in the

Groundwater Quality Standards N.J.A.C. 7:9-6. Specifically, the results were compared to the Class – IIA Groundwater Cleanup Criteria (GWQS). Key conclusions drawn from this comparison are:

- There were no significant site-wide plumes identified.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.
- The detected concentrations of PCE, TCE, and cis-1,2-Dichloroethylene exceeding the GWQS in the Miscellaneous/Offsite Area are not attributed to historic facility operations. A large regional chlorinated solvent plume underlies Kenvil and the southern portions of the Facility. The chlorinated solvent plume is derived from off-site sources and has not been attributed to historic operations performed at the Facility. The NJDEP (Robert Fowler/Robert Beretsky) conducted a groundwater investigation of the southern portion of the Facility in March 1999 and concluded the Facility was not a source area to the regional plume.
- The detected concentrations of PCE and TCE exceeding the GWQS within the Maintenance, B-Line, Finishing, and Storage Areas are likely a result of historic manufacturing operations. The number of detections and their respective concentrations indicate that the presence of PCE and TCE is a localized situation. Down-gradient groundwater sample analysis determined the PCE and TCE are contained within the former operational areas of the Facility.
- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.

Key recommendations for future regulatory activities include the following:

- Evaluate the applicability of utilizing the Triad approach for future investigation and remedial investigations. The Triad approach is a process integrating systematic planning, dynamic work plans, and real-time measurements to achieve more timely and cost-effective site characterization and cleanup.
- Develop site specific groundwater quality standards for the detected constituents without an applicable GWQS.

- Perform future remedial investigation activities at the locations identified through laboratory analysis of groundwater samples to contain constituents at concentrations exceeding the GWQS.

- Identify and evaluate the use of innovative technologies that could prove effective in remediating/stabilizing site constituents.

1.0 INTRODUCTION

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

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

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

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

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

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

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

- The Surface Water/Sediment/Groundwater Site Investigation Sampling and Analysis Plan (SW/SD/GW-SI SAP - Montgomery Watson, May 2001) presented the field sampling tasks conducted during the GW – SI. The NJDEP has approved the SW/SD/GW-SI SAP.

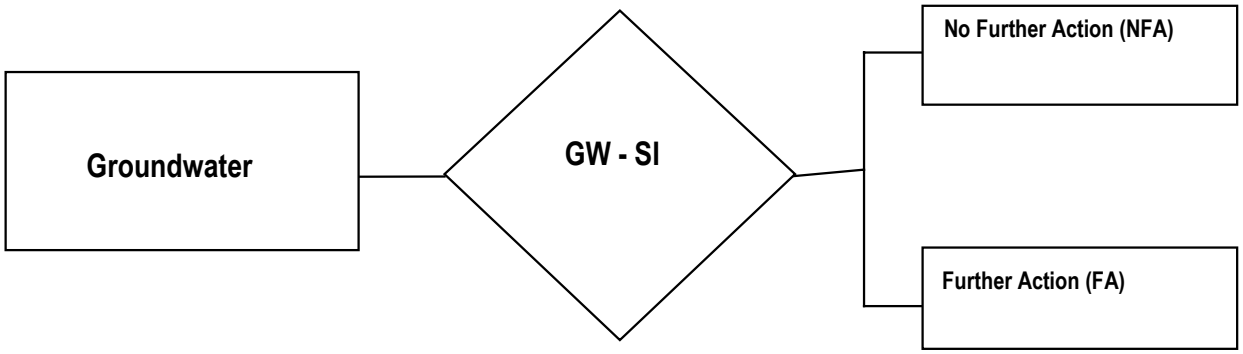
- The Groundwater Site Investigation Report Addendum (GW-SI Report Addendum – MWH, July 2002) presented modifications to the groundwater sampling effort to ensure safe sample collection. The NJDEP has approved the GW-SI Report Addendum.

1.1 PROJECT OBJECTIVE

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

To accomplish this objective, the results of the laboratory analysis collected during the GW – SI field investigation were compared against applicable NJDEP groundwater cleanup criteria presented in the Groundwater Quality Standards N.J.A.C. 7:9-6. Specifically, the laboratory results were compared to the Class – IIA Groundwater Cleanup Criteria (GWQS). The following chart graphically depicts the GW – SI process.

GW – SI Processing Concept



1.2 REPORT ORGANIZATION

This report is organized as follows:

- Section 1.0 presents the report introduction, and objectives, and summarizes Facility background information.
- Section 2.0 presents the scope of work for the GW – SI, including the specific sampling procedures used for the GW-SI.
- Section 3.0 presents the data quality objectives and describes the reliability and validity of the data.
- Section 4.0 presents the facility groundwater flow description and flow direction.
- Section 5.0 summarizes the results of the GW - SI.
- Section 6.0 presents a discussion of the relationship between sample turbidity and metal constituent concentrations detected in groundwater.
- Section 7.0 presents the conclusions and recommendations.

1.3 FACILITY HISTORY

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

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

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

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

1.4 FACILITY DESCRIPTION

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

1. Trinitrotoluene (TNT) Area
2. Dynamite Area
3. Nitroglycerin (NG) Area
4. Pentaerythritol Tetranitrate (PETN) Area
5. Development Area
6. Diazodinitrophenol (DIAZO) Area
7. Maintenance Area
8. B-Line Area
9. A-Line Area
10. Finishing Area
11. Ammonia Nitrate (AN) Area

12. Storage Area
13. Miscellaneous/Offsite Area

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

The plant's production areas are centrally located in a relatively flat area with a slight slope extending to Howard Boulevard on the northwest side. Two topographic ridges on the eastern and western sides separate the production area from the adjacent community. The property contains several wetland areas and has one major pond, known as "Duck Pond", which is approximately 10 acres in size.

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

1.5 REGIONAL GEOLOGY

The Facility is located in the New Jersey Highlands physiographic province of north central New Jersey. This area is characterized by broad, elevated ridges separated by long, narrow valleys. Areas of higher elevation are underlain by Proterozoic crystalline metamorphic bedrock that has been intricately deformed by folding and faulting. Prominent faults in the vicinity of the site include the Longwood Valley Fault, the Berkshire Valley Fault, and the Picatinny Fault. These faults resulted from several periods of Paleozoic and Mesozoic deformation. Faults and fold axes are generally oriented in a southwest to northeast direction. This results in topographic features such as ridges and valleys to also be oriented in a southwest to northeast direction. A layer of colluvium and weathered bedrock, generally less

than 10 feet thick, is present on some hillsides in the area. The colluvium is composed of unstratified and unsorted boulders, cobbles, and pebbles of bedrock in an orange-brown, silty-sand matrix. The weathered bedrock ranges from sandy saprolite to a rubble of angular cobbles and boulders.

Bedrock and surficial geologic maps for the vicinity of the site are provided in Figures 4 and 5, respectively. Figure 6 presents a geologic cross section of the region.

1.5.1 Bedrock Geologic Units

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

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

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

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

1.5.2 Glacial Deposits

Three Pleistocene age glacial geologic units, known in the literature as “valley-fill”, are present in the area: a basal fluvial and deltaic sand and gravel unit; a middle lacustrine unit

consisting of fine sand, silt, and clay; and an upper outwash deposit consisting of sand and gravel. The top of the basal sand and gravel unit occurs at the Facility at a depth of approximately 200 feet below ground surface (bgs) and is up to 50 feet thick. The middle lacustrine unit occurs at a depth of approximately 50 to 200 feet bgs and is approximately 150 feet thick. The upper outwash unit occurs at the ground surface in the vicinity of the site and is approximately 50 feet thick.

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

1.6 REGIONAL HYDROGEOLOGY

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

The sand and gravel deposits form the most significant aquifers in the region due to their high porosity. Groundwater occurs in these deposits under unconfined conditions throughout large areas, and under confined and semi-confined conditions where bounded by impermeable clays. The sand and gravel valley-fill aquifers are the largest producers of

water in the region. Yields of large-diameter wells reportedly range from 20 to 2,000 gpm with a median range between 200 to 500 gpm (Roux, 1993).

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

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

1.7 PREVIOUS INVESTIGATIONS SUMMARY

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

1.7.1 Preliminary Assessment Report

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

- File search
- Review of historic plant maps
- Employee interviews
- Interpretation of historic aerial photographs
- Site inspections

- Magnetic Surveys
- Ground Penetrating Radar (GPR) Surveys
- Established the Facility map grid system

The data compiled in the PA Report were reviewed and utilized to guide the development of the Facility-wide restoration strategy. However, many AOCs have been identified since the PA report was issued and thus were not included in the report, and further developmental efforts were required to fully identify all of the AOCs at the Facility. Section 1.8 describes the additional activities conducted to augment the facility-wide restoration strategy.

1.7.2 Preliminary SI of the TNT Area

A preliminary SI was conducted by Roux in the TNT Area of the Facility in the fall of 1997. The objective of the Preliminary TNT SI was to maintain the RA schedule compliance and to obtain an initial indication of TNT Area constituents of concern. The activities included sampling a number of AOCs within the TNT Area. The data generated during the Preliminary TNT SI was used to modify the Phase I Soils - SI for the TNT Area.

1.8 RECENT INVESTIGATION SUMMARY

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

1.8.1 Historical Map Review/Digitization

A historic map and document search was conducted in October 1997 wherein 120 maps were identified and selected as representing the most significant sources of land use history information for the Facility. The purpose of the search was to develop a graphic database which detailed site infrastructure at different phases over the course of the Facility's history.

Previously undocumented AOCs of structural and/or environmental significance were identified and categorized. The historic maps were then computer digitized so that the information represented on the maps could easily be electronically manipulated to help create the Facility-wide basemap.

1.8.2 Site Reconnaissance/Survey

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

1.8.3 Basemap Development

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

1.8.4 Facility Grid System

An alphanumeric grid system was previously developed for the Facility and was utilized to develop a subsequent system to aid in the simplification of sample designation. The original grid is a uniform size of 500 ft by 500 ft with alphabetic designations established along the east-west axis and numeric designations established along the north-south axis. For example groundwater sample 1, located in grid G14, is uniquely designated as GW-G14-1. Section 2.0 provides a detailed discussion of the groundwater sample identification system.

1.8.5 Soils Site Investigation

A facility-wide soils site investigation was performed at the Facility. The primary objective, as described in N.J.A.C. 7:26E-3.3(a), was to determine on a Facility-wide basis, and in a

manageable and cost effective manner, if there are any contaminants present within the Facility soils at concentrations exceeding any applicable clean-up standards.

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

The results of the AOC categorization yielded 517 AOCs recommended for NFA and 694 AOCs requiring FA. Included in the 694 AOCs requiring FA, 34 AOCs were suitable for Single Phase Remediation, 43 AOCs were Reserved for RI, 19 AOCs require confirmation sampling, and one AOC was inadvertently missed during the field investigation. The total number of AOCs investigated, site-wide, during the Soils – SI was 1211 AOCs. The Soils – SI was submitted to the NJDEP in April 2001 and is currently in the comment and response stage with the NJDEP.

2.0 SCOPE OF WORK

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

2.1 HEALTH AND SAFETY

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

Personnel involved in site activities conducted at the facility received initial or refresher E&E compound safety education prior to commencement of work. The site E&E compound safety education was directed by the MWH project safety officer (PSO) and the Hercules PSO. This education was designed to provide employees with a thorough knowledge of and the ability to identify E&E compounds that could potentially be encountered on-site. All personnel new to the site were required to receive this training before they were permitted to undertake field activities.

2.2 FIELD SAFETY SCREENING

Sample locations were visually inspected and field screened for the presence of E&E compounds prior to initiating groundwater-sampling activities. Figure 7 presents the sample locations. The following procedures were used to ensure groundwater samples were collected safely:

- Visual observation for the presence of E&E compounds was conducted throughout the entire sample collection activity. If E&E compounds were visually identified at any time during the sampling event, the project manager was notified and personally inspected the area. The project manager determined if the concentration of E&E compounds were significant and, if the groundwater sampling activities could be safely conducted. Following the visual inspection, the ground surface at the sampling location was field screened with the EX-PRAY® E&E compound detection test kit.

- The EX-PRAY® E&E compound detection test kit is an aerosol based technique that utilizes a patented paper and colorimetric reaction to identify E&E compounds down to residual levels. This kit can differentiate between polynitro-

aromatics (TNT, picric acid, etc.), nitrate esters (nitroglycerin (NG), nitrocellulose (NC), etc.), and Nitramines {cyclotrimethylenetrinitramine (RDX), cyclotetramethylenetetranitramine (HMX), etc.}. The EX-PRAY® kit, however, does not provide contaminant concentration data, it is designed only to determine if E&E compounds are present in ranges from residual levels to near percentage concentrations. The manufacturers' information and instructions for performing the EX-PRAY® tests is included in Appendix A of the FQAPP. If no E&E compounds were detected, it was considered safe to begin groundwater-sampling activities. There were no instances where E&E compounds warranted a modification of the groundwater sampling program.

2.3 DEPTH TO WATER LEVEL MEASUREMENT

Depth-to-water (DTW) measurements were collected from each accessible groundwater monitoring well to evaluate groundwater flow direction. DTW measurements were also used to determine the appropriate volume of water to be evacuated from wells selected for groundwater sampling, as described in the NJDEP Field Sampling Procedures Manual (NJDEP 1992).

The DTW measurements were collected by slowly lowering a decontaminated water level sounder accurate to the nearest 0.01 foot into the monitoring well until the sounder was activated (indicated by an audible tone). The water level was determined as a depth below a marked reference point (top of well casing). Measurements were collected at least two times at each location, or until the measurements are within +/-0.01 ft, and were recorded in the field notebook. The depth to water measurements were converted into a groundwater elevation and plotted on a facility map (Figure 8) so that the groundwater flow direction can be determined. DTW measurements and the calculated groundwater elevations are presented on Table 1.

2.4 MONITORING WELL SAMPLING

Groundwater samples were collected from 5 existing monitoring wells, as specified in the GW - SI Addendum Work Plan. The monitoring wells sampled included: MW-19, MW-20, MW-21, MW-24, and MW-25. Figure 7 identifies the five monitoring well locations. Appendix A presents the completed groundwater sampling forms.

The objective of sampling the monitoring wells was to determine if the possibility existed to encounter free phase nitroglycerin (NG) within the Dynamite and NG Areas and evaluate the groundwater quality down-gradient from the facilities former manufacturing operations. Free phase NG is extremely dangerous and to ensure the safety of field personnel the down-gradient groundwater had to be evaluated for the presence of NG at concentrations that could indicate an up-gradient source of free phase NG prior to conducting the proposed groundwater sampling effort with the Dynamite and NG Areas.

The five selected monitoring wells are located in close proximity to the NG and Dynamite Areas and four monitoring wells (MW-19, MW-20, MW-21, and MW-24) are hydraulically down-gradient from the manufacturing portions of these areas. The following procedures were utilized to sample monitoring wells:

- The wells were purged prior to sampling using a submersible pump equipped with disposable polyethylene tubing that was discarded after each use. The submersible pump was placed approximately 5 feet below the water level in the well to allow for proper removal of stagnant water from the well casing.

- The wells were purged until a minimum of three to five well volumes of well water had been removed and the field measured parameters, which were measured after each well volume was removed, had stabilized to within 10 percent over three consecutive readings. During purging, the following field parameters were measured; pH, specific conductance, temperature, dissolved oxygen, and turbidity. The water quality parameters were measured using a Horriba U-10 water quality meter. The field parameter measurements collected during the sampling were logged on well sampling records presented in Appendix A.

- After purging was complete, a groundwater sample was collected for chemical analysis using a new, manufacturer-decontaminated, bottom-filling, disposable bailer from the mid point of wells screened interval.

2.5 GEOPROBE® GROUNDWATER SAMPLING

152 ground water samples were collected from 84 sample locations using the Geoprobe® direct push groundwater sampling method. The Geoprobe® sampling method was chosen because the Kenvil Safety Committee, an internal safety team comprised of Hercules and MWH personnel devoted to ensure safe working conditions, determined that the direct push method used by the Geoprobe® presented the minimum subsurface disturbance for collecting

groundwater samples. Since the former operational areas of the Facility have the potential, however unlikely, to contain E&E compounds it was determined that for the initial inspection of groundwater quality the minimum subsurface disturbance was safest and should be used. Figure 7 presents the groundwater sample locations.

Due to the size of the Facility and the large number of AOCs (694 of the original 1211 require further investigation) that are in close proximity to one another, it was not warranted to collect groundwater samples at each AOC, as described in N.J.A.C. 7:26E-3.7, to meet the objective of the GW - SI. Hercules intended to comply with the intent of N.J.A.C. 7:26E-3.7 by utilizing the following protocol as allowed under N.J.A.C. 7:26E-1.6(c), and as specified in the Sampling and Analysis Plan, May 2001.

Groundwater sample locations were placed at a frequency of one sample location per Facility base map grid (500 ft by 500 ft) in which facility operations have occurred. Each groundwater sample location was biased to the AOC location determined to have the highest potential to influence groundwater quality based on analytical results from the Soils - SI. Additionally, groundwater sample locations were placed approximately every 300 linear feet along the southern boundary of the Facility in the down-gradient groundwater flow direction. These down-gradient sample locations were placed to ensure that if a potential groundwater plume exists, it would be identified prior to leaving the Facility property. Figure 7 presents the groundwater sample locations.

Prior to mobilizing Geoprobe® sampling equipment to the proposed groundwater sample locations on the two topographic ridges within the facility boundary, the areas were evaluated to determine if groundwater was present in the thin unconsolidated sediments. The presence of groundwater was evaluated by advancing test pit excavations to bedrock at each location and observing the soils for the presence of groundwater. Bedrock was encountered at depths ranging from 2 to 8 feet bgs and groundwater was not observed in the unconsolidated sediments present on the topographic ridges. The following embedded table presents the sample locations determined not to contain groundwater:

No Unconsolidated Sediment Groundwater Present

GW-A10-1	GW-A11-1	GW-A12-1	GW-B9-1	GW-D9-1
GW-H14-2	GW-M11-1			

Two groundwater samples were collected from each of the 84 sample locations, where groundwater was present. One sample was taken at the soil-water table interface, ensuring that a potential constituent with a specific gravity of less than 1 gram per cubic centiliter (g/cc) would be identified. The other sample was taken at a depth of 60-ft, or at any identified confining unit, in order to identify any potential constituents with a specific gravity of greater than 1 g/cc. In the event refusal or bedrock was encountered before advancing 60-ft below grade, the deeper sample was collected at the maximum advanced depth. Sample locations terminated less than 10-ft below the water table were only sampled at the water table interface.

The Geoprobe® system utilizes a screen point sampler approximately 41 inches long with a standard slot size of 0.004 inches. The sampler has O-ring seals at the drive head and an expendable drive point to provide a watertight system. A clean screen point sampler was threaded onto the leading end of a probe rod and driven to the desired sampling interval. Once at the desired sampling interval, chase rods were sent down-hole until the leading rod contacts the bottom of the sampling screen. The Geoprobe® tooling was then retracted while the screen was held in place by the chase rods. As the tooling was retracted, the expendable point was released from the sampler sheath. An O-ring at the screen head maintained the seal at the top of the screen and the sampling screen was exposed to ground to formation.

The following procedures were utilized for the collection of groundwater samples:

- New disposable nitrile gloves were used when collecting groundwater samples for chemical analysis.
- An effort was made to reduce the fines in the sample by purging the sample point for a 1-2 minutes prior to sample collection, if applicable.

- Groundwater samples were removed from the sample probe via a GeoPump2 Peristaltic pump with new disposable polyethylene tubing.

- As applicable, sample containers were filled in the following order: VOCs, SVOCs, PCBs, metals, ethers and alcohols, and general chemistry parameters (e.g. nitrate). All VOC containers were filled to zero headspace.

***Note**: Every attempt was made to achieve the desired sample depth range. However, because of the operational history of the facility and geologic conditions, not all sample intervals could be advanced over the full desired depth range. In these cases, the boring was terminated at refusal to minimize the possibility of adverse E&E effects (i.e. deflagration/detonation) in the bore-hole. The exact sample collection depth for each analytical sample collected during the GW – SI is presented in the data summary tables discussed in Section 5.0.*

2.6 LABORATORY ANALYSIS

During the GW - SI, 157 groundwater samples were collected for analytical analyses. The samples were submitted to Lancaster Laboratories, Inc. (LLI) of Lancaster, Pennsylvania. LLI is certified to provide laboratory services in the State of New Jersey (Certification No. 77011). The samples were analyzed using EPA SW-846 (USEPA, 1979) analytical methods for VOCs, SVOCs, explosives and energetics (E&E), metals (total and dissolved at select locations), and PCBs (samples collected within the Maintenance Area only). Section 6.0 of the AQAAP provides specific analytical information for each analyte or parameter selected for the GW – SI. Table 2 presents the analytical sampling requirements. Table 3 presents the list of constituents per analytical group.

Analysis	**Matrix**	**Method**
VOCs	Aqueous	SW-846-8260B
SVOCs	Aqueous	SW-846-8270C
Explosives and Energetics (E&E)	Aqueous	SW-846-8330 modified

Analysis	Matrix	Method
Nitroglycerin (NG)	Aqueous	SW-846-8330 modified
Metals (Total/Dissolved)	Aqueous	SW-846-6010B
General Chemistry (GenChem)	Aqueous	E350.2/E353.2
Ethers and Alcohols	Aqueous	SW-846-8015B

2.7 SAMPLE IDENTIFICATION

All samples collected were designated with an alphanumeric code that identifies each sample by the matrix sampled, site location number, sequential sample number and depth interval, as appropriate. Sampled matrices were identified by a two-letter code, (e.g., GW for a groundwater sample). The site location number corresponds to the facility grid location and sample number (i.e. G14-01). Sequential sample numbers within each grid for each sample type began with 01 and increases accordingly. Sample designations for ground water samples collected include the top and bottom depth of the sample interval (ft. bgs).

The following is a guide for sample identification:

Matrix	Site Location Number		Sequential Sample	Sample Interval Depth (In ft bgs. if applicable)
AA	ANN-NN	–	NN	(NN)

where:

A = alphabetic

N = numeric

Matrix codes for this project will be as follows:

GW = Ground Water

MW = Monitoring Well

EQ = Equipment blank

TB = Trip blank

Example sample designations are shown below:

- Sequential groundwater samples collected from grid G14 were labeled as GW-G14-1-01 (17-20), GW-G14-01 (17-20), GW-G14-3-01 (17-20) etc.

Sample identifications were assigned prior to the sampling event and were determined in accordance to the N.J.A.C 7.26.

2.8 SAMPLE HANDLING AND SHIPMENT

Groundwater samples were placed directly into pre-preserved laboratory provided sample containers. Analytical samples submitted for analysis were immediately packaged in the appropriate sample containers and placed in an iced cooler for shipment to LLI. The coolers were picked up via a courier from LLI and were received by the laboratory within 24-hours of sample collection.

2.9 SURVEY METHODS

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

2.10 EQUIPMENT DECONTAMINATION PROCEDURES

The following subsections describe the equipment decontamination procedures used during the GW - SI. All dedicated, single use devices were disposed of after use and did not require decontamination.

2.10.1 Sampling Equipment

All non-disposable sampling equipment (i.e., depth to water sounder, submersible pump) were decontaminated prior to mobilization to each sampling location and after each use. The following procedures were used to decontaminate the sampling equipment:

- The depth to water sounder was cleaned with potable water and laboratory grade Alconox detergent followed by a rinse with distilled water. The equipment was allowed to air dry.
- The submersible pump was cleaned with laboratory grade detergent and tap water rinse followed by a 10-gallon flush of potable water through the pump. The pump was then placed in a decontaminated plastic bag.

2.10.2 Heavy Equipment and Mobile Sampling Equipment

All heavy equipment and mobile sampling equipment used in field sampling activities (i.e., excavators, Geoprobe®, sampling rods) were decontaminated before commencement of field activities, between each use, and upon leaving the Facility. Decontamination of this equipment was performed at each individual sampling location. The following procedures were utilized to decontaminate heavy and mobile sampling equipment:

- The Geoprobe® and excavator were moved so that the areas of each machine that potentially came into contact with contamination was centered directly over the sample location.
- All equipment was thoroughly cleaned with a high-pressure steam cleaner using potable water.
- Geoprobe® sampling rods were staged on metal stands off the ground to ensure decontaminated rods did not contact the ground surface and potentially becoming contaminated.

2.11 FIELD DOCUMENTATION

All aspects of the GW - SI field activities were permanently recorded so that information obtained and decisions made during field activities could be reproduced and future events could benefit from the information gained. The primary source of field documentation was the field book. All field activities performed and observations made during sample collection activities were documented in the field books. Documentation recorded in the field book was performed according to the procedure detailed in Section 17.0 of the FQAPP. The field documentation is not submitted as part of the GW - SI, however it can be made available upon request.

2.12 INVESTIGATION-DERIVED WASTE MANAGEMENT

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

2.12.1 Soil Cuttings

Soil cuttings generated during advancement of test pits to evaluate depth to bedrock on the two Facility ridges were returned to the excavation in compliance with the NJDEP *Field Sampling Procedures Manual* (NJDEP, 1992).

2.12.2 Decontamination Water

All decontamination fluids generated by the steam cleaning of heavy equipment and mobile sampling equipment was allowed to drain to the ground directly over the site of the sample location. All groundwater sampling activities were performed within the water table aquifer and the potential to introduce constituents from another groundwater aquifer was not possible.

2.13 GW - SI REPORT

The GW - SI Report is prepared in accordance with the N.J.A.C. 7:26E3.13 (NJDEP, 2002a). In addition to the hardcopy information presented in this report, an Electronic Database

Deliverable (EDD) will be submitted that meets the requirements of the NJDEP Electronic Data Interchange (EDI) submittal format.

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

3.0 DATA QUALITY CONTROL

This section is a summary of the quality control review results for samples collected as part of the GW - SI. Lancaster Laboratories (LLI) performed the chemical analyses of all samples. The samples were validated in accordance with the National Functional Guidelines for Inorganic Data Review (USEPA 1994), the National Functional Guidelines for Organic Data Review (USEPA 1999), and Explosives Residue Standard Operating Procedure (USEPA Region II 1994) as applicable to SW-846 analyses. The USEPA Functional Guidelines for Evaluating Organic/Inorganic Analyses (USEPA, 1994) and PARCC were used to summarize the specific data review criteria set forth in the NJDEP approved (February 3, 1999) AQAPP. Specific information contained within the AQAPP consists of holding times, reporting limits, LCS, MS and MSD limits, etc, which were originally provided by the laboratory and approved by the NJDEP.

Appendix B presents the data validation notes for each sample delivery group (SDG) pertaining to the GW – SI. The field samples and associated quality control samples were analyzed for the following parameters:

- Volatile organic compounds (VOCs) by SW-846 8260B,
- Semivolatile organic compounds (SVOCs) by SW-846 8270C,
- Metals (Total/Dissolved) by SW-846 6010B/7470A,
- Polychlorinated biphenols by SW-846 8081
- Non-halogenated hydrocarbons (ethers and alcohols) by SW8015B,
- Nitroglycerin by SW-846 8330,
- Explosives by SW-846 8330.

The quality of the data was assessed according to the USEPA's PARCC (precision, accuracy, representativeness, comparability and completeness) parameters. These criteria were used to identify unacceptable or biased data that could result in corrective actions being implemented, or otherwise require qualification of the data. The following is a brief summary of the data quality evaluation and resulting qualification of the results, as applicable.

3.1 PRECISION AND ACCURACY

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

Analyses that failed to meet precision or accuracy limits established in the AQAPP, or defined by the laboratory if not specified in the AQAPP, were assigned a data qualifier in accordance with the USEPA functional guidelines or Region II SOP as appropriate.

3.1.1 Matrix Spikes/Matrix Spike Duplicate

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

3.1.2 Laboratory Duplicates

Laboratory duplicates were analyzed as appropriate throughout the analytical program. Field duplicates were collected at the frequency specified in the AQAPP and analyzed, thus laboratory and field precision could be reviewed during data validation. Field data associated with a laboratory duplicate that failed to meet precision criteria were qualified as estimated in the data packages.

3.1.3 Laboratory Control Samples

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

3.1.4 Surrogate Recoveries

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

3.1.5 Calibration

Initial and continuing calibration results were reviewed against specific analytical method criteria. Calibration results that were outside acceptable limits were then qualified for the particular failing compounds, in accordance with the USEPA functional guidelines and/or the Region II SOP. There were no major problems identified during review of the calibration data.

3.2 REPRESENTATIVENESS

Representativeness was evaluated through the analysis of laboratory method blank samples, field blank samples, and trip blank samples. Analysis of these types of samples was important to distinguish between ambient sampling and analytical levels, and actual site contamination. Blank data were used to further qualify associated field data if applicable. Data results that were less than five times the associated method blank result were qualified as undetected, "U" for several samples.

3.3 COMPLETENESS

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

3.4 COMPARABILITY

Comparability was achieved by analyzing the samples according to the specified standard methods, reporting limits and holding times for both extraction and analysis. For analytical sample results qualified with non-detections ("U"), the method detection limit (MDL) was used versus the acronym "ND". The sample locations where the method detection limit for analyzed constituents exceeded the GWQS are presented in Table 16.

The laboratory analyzed the field samples in accordance with the methods specified in the AQAPP.

3.5 SUMMARY OF DATA QUALITY CONTROL AND RELIABILITY

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

3.6 DATA QUALITY OBJECTIVES

The data quality objectives (DQOs) set forth in the AQAPP on Table 4-2 and the comparison of these DQOs with actual laboratory data results are summarized in the following table. Only DQOs specific to definitive data and resulting data validation are summarized**.**

DQO summary for data validation parameters

Parameter	Sample Media	DQO goal	Actual	DQO Met?	Comments
Instrument calibration meets laboratory's specification	GW	100%	>99.8%	Yes	
Analyte identification and quantification	GW	100%	100%	Yes	
Trip blanks for VOCs	GW	1 per cooler	100%	Yes	
Instrument blanks	GW	GC -every 10 samples GC/MS – every 12 hours Metals – every 10 samples	100%	Yes	
Laboratory method blank	GW	1 per SDG	100%	Yes	
Rinseate samples	GW	1 per day	100%	Yes	Sampled as appropriate.

Parameter	Sample Media	DQO goal	Actual	DQO Met?	Comments
Laboratory precision and accuracy	GW	100% within established limits for MS, LCS, duplicates, surrogates	> 99.6%	Yes	
Laboratory MDLs<PQLs	GW	100%	100%	Yes	
LCS samples	GW	100% within established limits per SDG	100%	Yes	Data exceeding limits were qualified.
MS/MSD samples	GW	5%	100%	Yes	Data exceeding limits were qualified as specified in USEPA guidelines.
Field duplicates	GW	10%	100%	Yes	
Sample documentation	GW	100%	100%	Yes	
Chain-of-custody documentation	GW	100%	100%	Yes	

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

4.0 UNCONSOLIDATED GROUNDWATER FLOW

The following section presents the results and interpretation of the July 2002 groundwater elevation-monitoring event. The groundwater monitoring well network consists of 40 monitoring wells/piezometers located throughout the Facility and screened in the unconsolidated aquifer. Depths to water measurements (DTW) were collected and used to calculate groundwater elevations at each of the existing monitoring wells that could be located (six monitoring wells could not be located) and contained groundwater. The lack of water identified in six monitoring wells is likely due to drought conditions occurring during the groundwater-monitoring event.

Each groundwater elevation was plotted onto the facility base-map and contoured with a 1-foot contour interval creating a groundwater potentiometric surface map. Table 1 presents the known information concerning the monitoring wells and the calculated groundwater elevation. Figure 8 presents the groundwater potentiometric surface contour map for July 2002.

4.1 FACILITY GROUNDWATER DESCRIPTION AND FLOW DIRECTION

The two prominent topographic ridges bounding the eastern and western portions of the Facility are comprised of bedrock units and act as no flow boundaries for the unconsolidated aquifer. Groundwater originating or entering the facility within the unconsolidated aquifer is contained horizontally between the two topographic ridges.

The general horizontal flow of groundwater underlying the Facility in the unconsolidated aquifer divides in the vicinity of Duck Pond. Groundwater south of Duck Pond generally flows toward the south. Groundwater north of Duck Pond generally flows toward the North. This groundwater flow divide may be attributed to the groundwater/surface water interaction between Duck Pond and Shooting Pond or the topographic features of the Facility. The northern portions of the Facility contain remnants of a terminal moraine that creates a region of undulating higher elevations.

The average groundwater hydraulic gradient varies significantly between the flatter portions of the Facility in the south to the undulating topography in the vicinity of Duck Pond and

north. The average hydraulic gradient south of Duck Pond is calculated to be 0.006 ft/ft (MW-18 and MW-23). The average hydraulic gradient in the vicinity of Duck Pond is 0.057 ft/ft (MW-5 and 7P). The greatest hydraulic gradient present at the Facility is between Duck Pond and the Shooting Pond. The hydraulic gradient between the ponds is calculated to be 0.098 ft/ft.

Detailed information does not exist concerning the surface water/groundwater interaction. However, based on staff gauges placed in Duck Pond, Shooting Pond, and the unnamed pond within the Dynamite Area indicates groundwater interacts differently with each pond. Duck Pond appears to receive groundwater along its eastern and northern sections and discharges groundwater along its western and southern sections. Shooting Pond appears to primarily discharge groundwater. The unnamed pond in the Dynamite Area appears to primarily receive groundwater. Shooting Pond and the unnamed pond within the Dynamite Area have minimal adjacent wells and the exact nature of surface water/groundwater interaction cannot be determined.

5.0 RESULTS

The following sections describe the results and interpretation of the analytical groundwater samples collected as part of the GW – SI. This section is designed to comply with the intent of the Technical Requirements for reporting site investigation activities (N.J.A.C. 7:26E-3.13). The results section text is supported by data tables and figures to aid in data evaluation and presentation.

A total of 157 groundwater samples were collected from 89 sample locations (Figure 7). The analytical results for groundwater samples collected during the GW-SI were compared to the NJDEP Groundwater Quality Standards Specific Ground Water Quality Criteria Class – IIA (GWQS). The samples were divided into two classifications, deep and shallow, dependent on sample depth to aid in presentation of the data results. Shallow samples were collected at depth intervals ranging from 0 feet (ft.) below ground surface (bgs.) to 30-ft. bgs. Deep samples were collected at depth intervals ranging from 30-ft. bgs to 65-ft. bgs. Posting maps were created to aid in the representation of the analytical results for each groundwater sample. The posting maps are presented on Figures 9 through 12.

The analytical results are presented by former operational area for discussion purposes. However, several areas (TNT, NG, PETN, and Diazo) will be combined to either facilitate similar discussions (TNT, NG, and PETN) or combine a very small area with the adjacent operational area (Diazo combined with the Development Area). The following information will be presented for each section:

- Shallow Unconsolidated Aquifer Analytical Results Discussion
- Deep Unconsolidated Aquifer Analytical Results Discussion
- Summary

5.1 TNT, NG, and PETN AREAs

Groundwater samples were not collected from the TNT, NG, PETN, and a portion of the Miscellaneous/Offsite Areas during this phase of the GW-SI as proposed in the sampling and analysis plan. The proposed groundwater samples (Figure 7) were not collected because it

was determined unsafe to perform the necessary intrusive activities until the down-gradient groundwater had been evaluated for the presence of NG at concentrations that could indicate an up-gradient source of free phase NG.

However, five sample locations positioned on the topographic ridge within the TNT and NG Areas where it was not suspected to potentially encounter free phase NG were evaluated for the presence of groundwater within the thin unconsolidated sediments. These sample locations are generally positioned at higher elevations of the topographic ridge where former NG manufacturing processes were not performed. The unconsolidated sediment ranged in thickness from approximately two to 10-feet and did not contain groundwater. The following sample locations presented on Figure 7 represent the locations where groundwater was determined not to be present:

GW-A10-1	GW-A11-1
GW-A12-1	GW-D9-1
GW-B9-1	

5.2 DYNAMITE AREA

This section describes the results of chemical analysis performed on samples collected from the Dynamite Area. Figure 7 presents the sampling locations within the Dynamite Area. Figure 9 graphically presents the constituents detected by laboratory analyses within the Dynamite Area compared to the GWQS. Tables 4 though 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Groundwater samples were not collected from the Dynamite Area, with the exception of the four existing shallow monitoring wells (MW-19, MW-20, MW-21, and MW-24), during this phase of the GW-SI as proposed in the sampling and analysis plan. The proposed groundwater samples were not collected because it was determined unsafe to perform the necessary intrusive activities until the down-gradient groundwater had been evaluated for the presence of NG at concentrations that could indicate an up-gradient source of free phase NG.

The total depth of the shallow monitoring wells range in depth from 15.00 to 24.15 feet below grade. Therefore, only the unconsolidated shallow aquifer will be discussed in this section.

5.2.1 Unconsolidated Shallow Aquifer Groundwater Samples

Four shallow aquifer groundwater samples were collected for laboratory analysis from the monitoring wells located within the Dynamite Area. Laboratory analyses of three samples were found to have two metal constituent concentrations exceeding the GWQS and are presented below.

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	4	1	9B*	MW-20
Thallium	10	4	3	30.8 – 139	MW-20 MW-21 MW-24

B - Indicates that the compound was found in the associated blank.
* - Indicates value obtained from a 1:5 dilution.

5.2.2 Summary

The following is a summary of the analytical results from the shallow unconsolidated aquifer underlying the Dynamite Area.

- Two metals (arsenic and thallium) were detected at concentrations exceeding the GWQS in the shallow unconsolidated aquifer. There were no VOC, SVOC, or E&E GWQS exceedances.
- Arsenic was also detected in the laboratory blank and may not represent aquifer conditions.

5.3 DEVELOPMENT/DIAZO AREA

This section describes the results of chemical analysis performed on samples collected from the Development Area. The Development and Diazo Area are combined for discussion purposes in the GW - SI. Figure 7 presents the sampling locations within the Development

Area. Figure 10 graphically presents the constituents detected by laboratory analyses within the Development Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and deep groundwater samples were collected from the following fourteen locations:

GW-G6-1	GW-H5-1	GW-H6-1	GW-H7-1	GW-I5-1	GW-I6-1
GW-J5-1	GW-J6-1	GW-K5-1	GW-L4-1	GW-L5-1	GW-M4-1
GW-N4-1	GW-N5-1				

The following groundwater samples were not collected as proposed in the sampling and analysis plan:

GW-G6-1 (Deep)	GW-J5-1 (Deep)
GW-J6-2 (Shallow and Deep)	GW-K5-1 (Shallow)
GW-L4-1 (Deep)	GW-L5-1 (Deep)
GW-L6-1 (Shallow and Deep)	

Groundwater samples were not collected from these locations because the formation did not provide sufficient groundwater to collect samples using Geoprobe® sampling equipment.

5.3.1 Unconsolidated Shallow Aquifer Groundwater Samples

Thirteen shallow unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Development/Diazo Areas. Laboratory analyses of the samples identified one semi-volatile organic compound (SVOC) and ten metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

SVOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	13	7	36	GW-J6-1 (10-13 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	13	10	10.7 – 147	GW-H5-1 (30-33 ft. bgs) GW-I5-1 (30-33 ft. bgs) GW-I6-1 (25-28 ft. bgs) GW-J5-1 (15-18 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-N4-1 (25-28 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Beryllium	20	13	11	33.3B – 47.2B	GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Cadmium	4	13	4	8.3B – 17.4	GW-I5-1 (30-33 ft. bgs) GW-N4-1 (25-28 ft. bgs)
Chromium	100	13	13	112N – 1690	GW-H5-1 (30-33 ft. bgs) GW-H7-1 (13-15 ft. bgs) GW-I5-1 (30-33 ft. bgs) GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-N4-1 (25-28 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Copper	1000	13	10	1340 – 1770	GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Lead	10	13	11	10.4B – 348	GW-H5-1 (30-33 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-H6-1 (22-25 ft. bgs) GW-H7-1 (13-15 ft. bgs) GW-I5-1 (30-33 ft. bgs) GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-L5-1 (12-15 ft. bgs) GW-M4-1 (20-23 ft. bgs) GW-N4-1 (25-28 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Mercury	2	13	4	6.2N	GW-H6-1 (22-25 ft. bgs)
Nickel	100	13	10	166 - 824	GW-H5-1 (30-33 ft. bgs) GW-I5-1 (30-33 ft. bgs) GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Thallium	10	13	5	11.9B – 65.3B	GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs) GW-L4-1 (12-15 ft. bgs) GW-N5-1 (15-18 ft. bgs)
Zinc	5000	13	12	9590 – 18300	GW-J6-1 (10-13 ft. bgs) GW-N5-1 (15-18 ft. bgs)

B - Indicates that the compound was found in the associated blank.
N - Indicates flash point was not observed, heated to specific limit.

5.3.2 Unconsolidated Deep Aquifer Groundwater Samples

Ten deep unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Development/Diazo Areas. Laboratory analyses of the samples identified one semi-volatile organic compound (SVOC) and ten metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

SVOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	10	8	33 – 66	GW-H5-1 (30-33 ft. bgs) GW-I6-1 (25-28 ft. bgs) GW-J6-1 (10-13 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	10	10	13.9 – 152	GW-H5-1 (57-60 ft. bgs) GW-H6-1 (51-54 ft. bgs) GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs) GW-I6-1 (42-45 ft. bgs) GW-J6-1 (37-40 ft. bgs) GW-K5-1 (32-35 ft. bgs) GW-M4-1 (42-45 ft. bgs) GW-N4-1 (42-45 ft. bgs) GW-N5-1 (33-36 ft. bgs)
Beryllium	20	10	10	21.8B – 53.2B	GW-H5-1 (57-60 ft. bgs) GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs) GW-I6-1 (42-45 ft. bgs)
Cadmium	4	10	4	7.4B – 22.6	GW-J6-1 (37-40 ft. bgs) GW-N4-1 (42-45 ft. bgs) GW-N5-1 (33-36 ft. bgs)
Chromium	100	10	10	117J – 3070	GW-H5-1 (57-60 ft. bgs) GW-H6-1 (51-54 ft. bgs) GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs) GW-I6-1 (42-45 ft. bgs) GW-J6-1 (37-40 ft. bgs) GW-K5-1 (32-35 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-M4-1 (42-45 ft. bgs) GW-N4-1 (42-45 ft. bgs) GW-N5-1 (33-36 ft. bgs)
Copper	1000	10	10	1560 – 1830	GW-H5-1 (57-60 ft. bgs) GW-H7-1 (57-60 ft. bgs)
Lead	10	10	9	24.6 – 466	GW-H5-1 (57-60 ft. bgs) GW-H6-1 (51-54 ft. bgs) GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs) GW-I6-1 (42-45 ft. bgs) GW-J6-1 (37-40 ft. bgs) GW-M4-1 (42-45 ft. bgs) GW-N4-1 (42-45 ft. bgs) GW-N5-1 (33-36 ft. bgs)
Mercury	2	10	2	2.5N – 5.2N	GW-H6-1 (51-54 ft. bgs) GW-H7-1 (57-60 ft. bgs)
Nickel	100	10	10	119 – 923	GW-H5-1 (57-60 ft. bgs) GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs) GW-I6-1 (42-45 ft. bgs) GW-M4-1 (42-45 ft. bgs) GW-N5-1 (33-36 ft. bgs)
Thallium	10	10	4	56.5B – 60.6B	GW-H7-1 (57-60 ft. bgs) GW-I5-1 (57-60 ft. bgs)
Zinc	5000	10	10	8670 – 12300N	GW-H5-1 (57-60 ft. bgs) GW-H7-1 (57-60 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J – Indicates value is less than the reporting limit but greater than zero, and is an estimated value.
N - Indicates flash point was not observed, heated to specific limit.

5.3.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the Development Area.

- There were no VOC or E&E GWQS exceedances detected in either the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are similar between the shallow and deep unconsolidated aquifer.
- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS are likely a result of historic manufacturing operations.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

5.4 MAINTENANCE AREA

This section describes the results of chemical analysis performed on samples collected from the Maintenance Area. Figure 7 presents the sampling locations within the Maintenance Area. Figure 10 graphically presents the constituents detected by laboratory analyses within the Maintenance Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and Deep groundwater samples were collected from the following eleven locations:

GW-F11-1	GW-G10-1	GW-G11-1	GW-G12-1	GW-H10-1	GW-H11-1
GW-H12-1	GW-H13-1	GW-H8-1	GW-H9-1	MW-25	

Monitoring well MW-25 has a total depth of 25.00 feet below grade and is only included in the shallow unconsolidated aquifer discussion.

5.4.1 Unconsolidated Shallow Aquifer Groundwater Samples

Eleven shallow unconsolidated aquifer groundwater samples were collected for laboratory analyses from within the Maintenance Area. Laboratory analyses of the samples identified one volatile organic compound (VOC), one SVOC, and eleven metals were identified to exceed the GWQS. The constituents identified to exceed the GWQS are presented below

VOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
TCE	1	11	2	2J – 18	GW-H11-1 (17-20 ft. bgs) GW-H9-1 (17-20 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	11	8	43	GW-H10-1 (12-15 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Antimony	20	11	1	37.2BN	GW-H10-1 (12-15 ft. bgs)
Arsenic	8	11	7	8B – 155	GW-G10-1 (12-15 ft. bgs) GW-G11-1 (12-15 ft. bgs) GW-G12-1 (12-15 ft. bgs) GW-H10-1 (12-15 ft. bgs) GW-H12-1 (12-15 ft. bgs) GW-H13-1 (12-15 ft. bgs) GW-H8-1 (25-28 ft. bgs)
Beryllium	20	11	9	24.2B – 31.4B	GW-G10-1 (12-15 ft. bgs) GW-G11-1 (12-15 ft. bgs) GW-H8-1 (25-28 ft. bgs)
Cadmium	4	11	1	6.5B	GW-H8-1 (25-28 ft. bgs)
Chromium	100	11	10	175 – 715	GW-G10-1 (12-15 ft. bgs) GW-G11-1 (12-15 ft. bgs) GW-H10-1 (12-15 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-H8-1 (25-28 ft. bgs) GW-H9-1 (17-20 ft. bgs)
Copper	1000	11	10	1050	GW-G10-1 (12-15 ft. bgs)
Lead	10	11	9	13.8B – 911	GW-G10-1 (12-15 ft. bgs) GW-G11-1 (12-15 ft. bgs) GW-G12-1 (12-15 ft. bgs) GW-H10-1 (12-15 ft. bgs) GW-H11-1 (17-20 ft. bgs) GW-H12-1 (12-15 ft. bgs) GW-H13-1 (12-15 ft. bgs) GW-H8-1 (25-28 ft. bgs) GW-H9-1 (17-20 ft. bgs)
Mercury	2	11	3	2B – 13.7N	GW-G10-1 (12-15 ft. bgs) GW-H10-1 (12-15 ft. bgs) GW-H8-1 (25-28 ft. bgs)
Nickel	100	11	11	115BN – 327	GW-G10-1 (12-15 ft. bgs) GW-G11-1 (12-15 ft. bgs) GW-H10-1 (12-15 ft. bgs) GW-H8-1 (25-28 ft. bgs)
Thallium	10	11	1	115	MW-25
Zinc	5000	11	10	8230	GW-G11-1 (12-15 ft. bgs)

B - Indicates that the compound was found in the associated blank.
N - Indicates flash point was not observed, heated to specific limit.

5.4.2 Unconsolidated Deep Aquifer Groundwater Samples

Ten deep unconsolidated aquifer groundwater samples were collected for laboratory analyses within the Maintenance Area. Laboratory analyses of the samples identified one VOC, one SVOC, and twelve metal constituents present at concentrations exceeding the GWQS. The constituents exceeding the GWQS are presented below:

VOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
TCE	1	10	1	4J	GW-H9-1 (57-60 ft. bgs)

J – Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	10	9	53J - 170	GW-G12-1 (62-65 ft. bgs) GW-H12-1 (57-60 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Antimony	20	10	4	32J – 69.4BN	GW-H10-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Arsenic	8	10	10	33.4 – 301	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-G11-1 (57-60 ft. bgs) GW-G12-1 (62-65 ft. bgs) GW-H10-1 (57-60 ft. bgs) GW-H11-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H13-1 (57-60 ft. bgs) GW-H8-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Beryllium	20	10	10	22B – 97B	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-H8-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Cadmium	4	10	1	6.4B	GW-H8-1 (57-60 ft. bgs)
Chromium	100	10	10	646 – 5110	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-G11-1 (57-60 ft. bgs) GW-G12-1 (62-65 ft. bgs) GW-H10-1 (57-60 ft. bgs) GW-H11-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H13-1 (57-60 ft. bgs) GW-H8-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Copper	1000	10	10	1000 – 4830	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Lead	10	10	10	47.7 – 5930	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-G11-1 (57-60 ft. bgs) GW-G12-1 (62-65 ft. bgs) GW-H10-1 (57-60 ft. bgs) GW-H11-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H13-1 (57-60 ft. bgs) GW-H8-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Mercury	2	10	8	3N – 5.2	GW-G10-1 (57-60 ft. bgs) GW-H10-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Nickel	100	10	10	166 – 2060	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-G11-1 (57-60 ft. bgs) GW-G12-1 (62-65 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-H10-1 (57-60 ft. bgs) GW-H11-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H13-1 (57-60 ft. bgs) GW-H8-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Selenium	50	10	4	62.8 – 204	GW-G10-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs)
Thallium	10	10	7	13.1B – 297	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-G12-1 (62-65 ft. bgs) GW-H11-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H13-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)
Zinc	5000	10	10	7640 – 22600	GW-F11-1 (57-60 ft. bgs) GW-G10-1 (57-60 ft. bgs) GW-H12-1 (57-60 ft. bgs) GW-H9-1 (57-60 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.
N - Indicates flash point was not observed, heated to specific limit.

5.4.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the Maintenance Area.

- There were no E&E or polychlorinated biphenyls (PCBs) GWQS exceedances detected in either the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer with the exception of some metal constituents. The results of the laboratory analyses on the deep unconsolidated aquifer samples (generally more turbid) indicate some

metal constituent concentrations may be higher than the shallow unconsolidated aquifer samples.

- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.

- The detected concentrations of TCE exceeding the GWQS are likely a result of historic manufacturing operations. The number of detections and the respective concentrations indicate that the presence of TCE is a localized situation and does not represent a significant environmental condition.

5.5 B-LINE AREA

This section describes the results of the chemical analysis performed on samples collected from within the B-Line Area. Figure 7 presents the sampling locations within the B-Line Area. Figure 11 graphically presents the constituents detected by laboratory analyses within the B-Line Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following twelve locations:

GW-I11-1	GW-J11-1	GW-J12-1	GW-K10-1	GW-K11-1	GW-L10-1
GW-L11-1	GW-L9-1	GW-M8-1	GW-M9-1	GW-N8-1	GW-N9-1

The following groundwater samples were not collected as proposed in the sampling and analysis plan:

GW-K10-1 (Deep)	GW-L10-1 (Deep)
GW-L9-1 (Deep)	GW-M10-1 (Shallow and Deep)
GW-N8-1 (Shallow)	GW-O8-1 (Shallow and Deep)

Groundwater samples were not collected from these locations because the formation did not provide sufficient groundwater to collect samples using Geoprobe® sampling equipment.

5.5.1 Unconsolidated Shallow Aquifer Groundwater Samples

Eleven shallow unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the B-Line Area. Laboratory analysis of the samples identified two VOCs, one SVOC/E&E constituent, and seven metal constituents at concentrations exceeding the GWQS. The constituents exceeding the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	11	2	1J	GW-L10-1 (18-21 ft. bgs) GW-L11-1 (25-28 ft. bgs)
TCE	1	11	1	2J	GW-I11-1 (20-23 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
2,4/2,6 Dinitrotoluene Method (8270)	10	11	1	22000	GW-L11-1 (25-28 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Antimony	20	11	3	20.8	GW-M8-1 (15-18 ft. bgs)
Arsenic	8	11	7	8.5B – 41.7J	GW-I11-1 (20-23 ft. bgs) GW-K11-1 (20-23 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-L11-1 (25-28 ft. bgs) GW-M8-1 (15-18 ft. bgs) GW-M9-1 (10-13 ft. bgs)
Cadmium	4	11	1	4.4B	GW-K11-1 (20-23 ft. bgs)
Chromium	100	11	11	194J – 735J	GW-I11-1 (20-23 ft. bgs) GW-K11-1 (20-23 ft. bgs) GW-M8-1 (15-18 ft. bgs) GW-M9-1 (10-13 ft. bgs)
Lead	10	11	5	15B – 181J	GW-I11-1 (20-23 ft. bgs) GW-K11-1 (20-23 ft. bgs) GW-L11-1 (25-28 ft. bgs) GW-M8-1 (15-18 ft. bgs)
Nickel	100	11	6	175 – 280J	GW-K11-1 (20-23 ft. bgs) GW-M8-1 (15-18 ft. bgs) GW-M9-1 (10-13 ft. bgs)
Thallium	10	11	3	12.5B – 23.1	GW-K11-1 (20-23 ft. bgs) GW-M8-1 (15-18 ft. bgs) GW-M9-1 (10-13 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

E&E Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
2,4/2,6 Dinitrotoluene Method (8330)	10	11	1	16140J	GW-L11-1 (25-28 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

5.5.2 Unconsolidated Deep Aquifer Groundwater Samples

Nine deep unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the B-Line Area. Laboratory analysis of the samples identified one

VOC, one SVOC/E&E constituent, and ten metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	9	3	1J – 2J	GW-K11-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs) GW-N9-1 (32-35 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
2,4/2,6 Dinitrotoluene Method (8270)	10	9	1	74	GW-L11-1 (37-40 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	9	6	31.9J – 466J	GW-I11-1 (57-60 ft. bgs) GW-J11-1 (42-45 ft. bgs) GW-J12-1 (52-55 ft. bgs) GW-K11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs)
Beryllium	20	9	7	24B – 118B	GW-I11-1 (57-60 ft. bgs) GW-J12-1 (52-55 ft. bgs)
Cadmium	4	9	4.5B	22.2	GW-J11-1 (42-45 ft. bgs) GW-K11-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-M8-1 (57-60 ft. bgs)
Chromium	100	9	8	448 – 5530J	GW-I11-1 (57-60 ft. bgs) GW-J11-1 (42-45 ft. bgs) GW-J12-1 (52-55 ft. bgs) GW-K11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs)
Copper	1000	9	8	4040J	GW-I11-1 (57-60 ft. bgs)
Lead	10	9	6	35J – 964J	GW-I11-1 (57-60 ft. bgs) GW-J11-1 (42-45 ft. bgs) GW-J12-1 (52-55 ft. bgs) GW-K11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs)
Mercury	2	9	3	12.7	GW-I11-1 (57-60 ft. bgs)
Nickel	100	9	7	143J – 2170J	GW-I11-1 (57-60 ft. bgs) GW-J11-1 (42-45 ft. bgs) GW-J12-1 (52-55 ft. bgs) GW-K11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs)
Thallium	10	9	4	12.3B – 23.6	GW-K11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs) GW-M9-1 (30-33 ft. bgs)
Zinc	5000	9	8	14500J – 15700J	GW-I11-1 (57-60 ft. bgs) GW-M8-1 (57-60 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

E&E Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
2,4/2,6 Dinitrotoluene Method (8330)	10	9	1	44.3J	GW-L11-1 (37-40 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

5.5.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the B-Line Area.

- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer with the exception of some metal constituents. The results of the laboratory analyses on the deep unconsolidated aquifer samples (generally more turbid) indicate some metal constituent concentrations may be higher than the shallow unconsolidated aquifer samples.

- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

- The detected concentrations 2,4/2,6-dinitrotoluene exceeding the GWQS are likely a result of historic manufacturing operations.

- The detected concentrations of PCE and TCE exceeding the GWQS are likely a result of historic manufacturing operations. The number of detections and the respective concentrations indicate that the presence of PCE and TCE is a localized situation and does not represent a significant environmental condition.

5.6 A-LINE AREA

This section describes the results of the chemical analysis performed on samples collected from within the A-Line Area.

Figure 7 presents the sampling locations within the A-Line Area. Figure 10 graphically presents the constituents detected by laboratory analysis within the A-Line Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following seven locations:

GW-E9-1	GW-F10-1	GW-F8-1	GW-F9-1	GW-G7-1	GW-G8-1
GW-G9-1					

5.6.1 Unconsolidated Shallow Aquifer Groundwater Samples

Seven shallow unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the A-Line Area. Laboratory analysis of the samples identified one SVOC, six metal constituents, and one E&E constituent at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	7	7	140	GW-F10-1 (12-15 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	7	5	16.4 – 52	GW-E9-1 (17-20 ft. bgs) GW-F10-1 (12-15 ft. bgs) GW-G7-1 (22-25 ft. bgs) GW-G8-1 (22-25 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-G9-1 (17-20 ft. bgs)
Chromium	100	7	7	127 – 607N	GW-F10-1 (12-15 ft. bgs) GW-G7-1 (22-25 ft. bgs) GW-G8-1 (22-25 ft. bgs) GW-G9-1 (17-20 ft. bgs)
Lead	10	7	6	10.8B – 123	GW-E9-1 (17-20 ft. bgs) GW-F10-1 (12-15 ft. bgs) GW-F9-1 (12-15 ft. bgs) GW-G7-1 (22-25 ft. bgs) GW-G8-1 (22-25 ft. bgs) GW-G9-1 (17-20 ft. bgs)
Nickel	100	7	7	174 – 385	GW-F10-1 (12-15 ft. bgs) GW-G7-1 (22-25 ft. bgs) GW-G8-1 (22-25 ft. bgs) GW-G9-1 (17-20 ft. bgs)
Thallium	10	7	2	11.1B – 19.8B	GW-E9-1 (17-20 ft. bgs) GW-F10-1 (12-15 ft. bgs)
Zinc	5000	7	7	10500N	GW-G8-1 (22-25 ft. bgs)

B - Indicates that the compound was found in the associated blank.
N - Indicates flash point was not observed, heated to specific limit.

E&E Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
2,4/2,6 Dinitrotoluene Method (8330)	10	7	1	280	GW-G9-1 (17-20 ft. bgs)

5.6.2 Unconsolidated Deep Aquifer Groundwater Samples

Seven deep unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the A-Line Area. Laboratory analysis of the samples identified one

SVOC and ten metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	7	4	150 – 450	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	7	4	26.3B – 143	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs) GW-G8-1 (57-60 ft. bgs)
Beryllium	20	7	5	26.8B – 51.6	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs)
Chromium	100	7	7	708N – 2200	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs) GW-G8-1 (57-60 ft. bgs)
Copper	1000	7	7	1090 – 1500	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs)
Lead	10	7	5	11.3B – 322	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-F8-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs) GW-G8-1 (57-60 ft. bgs)
Mercury	2	7	5	2.4N – 3.2	GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs) GW-G8-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Nickel	100	7	6	213B – 708	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs) GW-G8-1 (57-60 ft. bgs)
Selenium	50	7	2	59.8 – 78	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs)
Thallium	10	7	3	46.2B – 90.6B	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs)
Zinc	5000	7	7	5750N – 11000	GW-E9-1 (57-60 ft. bgs) GW-F10-1 (57-60 ft. bgs) GW-G7-1 (43-46 ft. bgs)

B - Indicates that the compound was found in the associated blank.
N - Indicates flash point was not observed, heated to specific limit.

5.6.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the A-Line Area.

- There were no VOC GWQS exceedances identified in the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer with the exception of some metal constituents. The results of the laboratory analyses on the deep unconsolidated aquifer samples (generally more turbid) indicate some metal constituent concentrations may be higher than the shallow unconsolidated aquifer samples.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

- The detected concentrations 2,4/2,6-dinitrotoluene exceeding the GWQS in the shallow unconsolidated aquifer may be the result of historic manufacturing operations or the less accurate Method 8330 analysis.

- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.

5.7 FINISHING AREA

This section describes the results of the chemical analysis performed on samples collected from the Finishing Area.

Figure 7 presents the sampling locations within the Finishing Area. Figure 11 graphically presents the constituents detected by laboratory analysis within the Finishing Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following seven locations:

GW-I10-1	GW-I7-1	GW-I8-1	GW-I9-1	GW-J7-1	GW-J9-1
GW-K6-1					

The following groundwater samples were not collected as proposed in the sampling and analysis plan:

GW-I7-1 (Deep)	GW-J9-1 (Deep)
GW-K6-1 (Shallow)	

Samples were not collected from these locations because the formation did not provide sufficient groundwater to collect samples using Geoprobe® sampling equipment.

5.7.1 Unconsolidated Shallow Aquifer Groundwater Samples

Six shallow unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Finishing Area. Laboratory analysis of the samples identified one VOC, one SVOC, and eight metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	6	1	1J	GW-J7-1 (25-28 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituent

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	6	4	120 – 440	GW-I10-1 (17-20 ft. bgs) GW-I9-1 (22-25 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	6	2	23.3J – 252	GW-I7-1 (27-30 ft. bgs) GW-J7-1 (25-28 ft. bgs)
Beryllium	20	6	5	69.2B	GW-I7-1 (27-30 ft. bgs)
Chromium	100	6	6	108 – 2700	GW-I10-1 (17-20 ft. bgs) GW-I7-1 (27-30 ft. bgs) GW-I8-1 (17-20 ft. bgs) GW-I9-1 (22-25 ft. bgs) GW-J7-1 (25-28 ft. bgs)
Copper	1000	6	5	2200	GW-I7-1 (27-30 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Lead	10	6	4	14.5B – 614	GW-I10-1 (17-20 ft. bgs) GW-I7-1 (27-30 ft. bgs) GW-I8-1 (17-20 ft. bgs) GW-I9-1 (22-25 ft. bgs)
Nickel	100	6	6	1160	GW-I7-1 (27-30 ft. bgs)
Thallium	10	6	1	120B	GW-I7-1 (27-30 ft. bgs)
Zinc	5000	6	6	7970	GW-I7-1 (27-30 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

5.7.2 Unconsolidated Deep Aquifer Groundwater Samples

Five deep aquifer groundwater samples were collected for laboratory analysis from within the Finishing Area. Laboratory analysis of the samples identified one VOC and eleven metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	5	3	1J – 2J	GW-I8-1 (57-60 ft. bgs) GW-J7-1 (57-60 ft. bgs) GW-K6-1 (50-53 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Antimony	20	5	2	182BN	GW-I9-1 (57-60 ft. bgs)
Arsenic	8	5	5	28.9J – 294*	GW-I10-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs) GW-K6-1 (50-53 ft. bgs)
Beryllium	20	5	5	60.4B – 193B	GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs)
Chromium	100	5	5	289J - 13500	GW-I10-1 (57-60 ft. bgs) GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs) GW-J7-1 (57-60 ft. bgs) GW-K6-1 (50-53 ft. bgs)
Copper	1000	5	5	2380N – 7680N	GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs)
Lead	10	5	4	60.4 – 1290	GW-I10-1 (57-60 ft. bgs) GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs) GW-J7-1 (57-60 ft. bgs)
Mercury	2	5	3	4N	GW-I9-1 (57-60 ft. bgs)
Nickel	100	5	5	129J – 3620N	GW-I10-1 (57-60 ft. bgs) GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs) GW-J7-1 (57-60 ft. bgs) GW-K6-1 (50-53 ft. bgs)
Selenium	50	5	2	126BN	GW-I9-1 (57-60 ft. bgs)
Thallium	10	5	4	11.8B – 401	GW-I10-1 (57-60 ft. bgs) GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs) GW-K6-1 (50-53 ft. bgs)
Zinc	5000	5	5	11600 - 39000	GW-I8-1 (57-60 ft. bgs) GW-I9-1 (57-60 ft. bgs)

B - Indicates that the compound was found in the associated blank.
* - Indicates value obtained from a 1:5 dilution.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.
N - Indicates flash point was not observed, heated to specific limit.

5.7.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the Finishing Area.

- There were no E&E GWQS exceedances identified in the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer with the exception of some metal constituents. The results of the laboratory analyses on the deep unconsolidated aquifer samples (generally more turbid) indicate some metal constituent concentrations may be higher than the shallow unconsolidated aquifer samples.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.
- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.
- The detected concentrations of PCE exceeding the GWQS are likely a result of historic manufacturing operations. The number of detections and the respective concentrations indicate that the presence of PCE a localized situation and does not represent a significant environmental condition.

5.8 AN AREA

This section describes the results of the chemical analysis performed on samples collected from the AN Area. Figure 7 presents the sampling location within the AN Area. Figure 10 graphically presents the constituents detected by laboratory analysis within the AN Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analysis to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following location:

GW-I12-1

5.8.1 Unconsolidated Shallow Aquifer Groundwater Samples

One shallow unconsolidated aquifer groundwater sample was collected for laboratory analysis from within the AN Area. Laboratory analysis of the sample did not detect any constituents present at concentrations exceeding the GWQS.

5.8.2 Unconsolidated Deep Aquifer Groundwater Samples

One deep unconsolidated aquifer groundwater sample was collected for laboratory analysis from within the AN Area. Laboratory analysis of the sample identified five metal constituents present at concentrations exceeding the GWQS. The metal constituents identified to exceed the GWQS are presented below:

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	1	1	41.4*	GW-I12-1 (17-20 ft. bgs)
Chromium	100	1	1	254	GW-I12-1 (17-20 ft. bgs)
Lead	10	1	1	63.8	GW-I12-1 (17-20 ft. bgs)
Nickel	100	1	1	300N	GW-I12-1 (17-20 ft. bgs)
Thallium	10	1	1	12.3B	GW-I12-1 (17-20 ft. bgs)

B - Indicates that the compound was found in the associated blank.
* - Indicates value obtained from a 1:5 dilution.
N - Indicates flash point was not observed, heated to specific limit.

5.8.3 Summary

The following is a summary of the analytical results from the unconsolidated aquifer underlying the AN Area.

- There were no VOC, SVOC, or E&E GWQS exceedances identified in either the shallow or deep unconsolidated aquifer.
- No constituents were detected at concentrations exceeding the GWQS in the shallow unconsolidated aquifer. Five metal constituents (arsenic, chromium, lead, nickel, and thallium) were detected at concentrations exceeding the GWQS in the deep unconsolidated aquifer.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

5.9 STORAGE AREA

This section describes the results of the chemical analyses performed on samples collected from the Storage Area. Figure 7 presents the sampling locations within the Storage Area. Figure 11 graphically presents the GWQS exceedances within the Storage Area. Tables 4 through 14 present the complete set of laboratory analyses to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following ten locations:

GW-J10-1	GW-J8-1	GW-K7-1	GW-K8-1	GW-K9-1	GW-M5-1
GW-M6-1	GW-M7-1	GW-N7-1	GW-O7-1		

The following groundwater samples were not collected as proposed in the sampling and analysis plan:

GW-K9-1 (Deep)	GW-L7-1 (Shallow and Deep)
GW-L8-1 (Shallow and Deep)	GW-M6-1 (Deep)
GW-M7-1 (Deep)	GW-N7-1 (Deep)
GW-N7-2 (Shallow and Deep)	GW-O4-1 (Shallow and Deep)
GW-O5-1 (Shallow and Deep)	GW-O6-1 (Shallow and Deep)
GW-P5-1 (Shallow and Deep)	GW-P6-1 (Shallow and Deep)
GW-P7-1 (Shallow and Deep)	GW-Q6-1 (Shallow and Deep)
GW-R5-1 (Shallow and Deep)	GW-R6-1 (Shallow and Deep)

Groundwater samples were not collected at these locations because the formation did not provide sufficient groundwater to collect samples using Geoprobe® sampling equipment.

5.9.1 Unconsolidated Shallow Aquifer Groundwater Samples

Ten shallow unconsolidated aquifer groundwater samples were collected from within the Storage Area. Laboratory analysis of the samples identified one VOC, one SVOC, and seven metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	10	2	2J – 3J	GW-J8-1 (15-18 ft. bgs) GW-K8-1 (15-18 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	10	4	47	GW-M7-1 (N/A)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	10	8	8J – 49.7	GW-J10-1 (25-28 ft. bgs) GW-K7-1 (25-28 ft. bgs) GW-K8-1 (15-18 ft. bgs) GW-M5-1 (15-18 ft. bgs) GW-M6-1 (17-20 ft. bgs) GW-N7-1 (N/A) GW-O7-1 (25-28 ft. bgs)
Beryllium	20	10	8	25.7	GW-M5-1 (15-18 ft. bgs)
Chromium	100	10	10	123 – 790	GW-J10-1 (25-28 ft. bgs) GW-M5-1 (15-18 ft. bgs) GW-M7-1 (N/A) GW-O7-1 (25-28 ft. bgs)
Lead	10	10	5	15B – 240	GW-K8-1 (15-18 ft. bgs) GW-M5-1 (15-18 ft. bgs) GW-M6-1 (17-20 ft. bgs) GW-N7-1 (N/A)
Nickel	100	10	7	118 – 309	GW-M5-1 (15-18 ft. bgs) GW-M7-1 (N/A)
Thallium	10	10	3	13.7B – 30.2	GW-J10-1 (25-28 ft. bgs) GW-M5-1 (15-18 ft. bgs) GW-O7-1 (25-28 ft. bgs)
Zinc	5000	10	9	7700	GW-M5-1 (15-18 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

5.9.2 Unconsolidated Deep Aquifer Groundwater Samples

Six deep unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Storage Area. Laboratory analysis of the samples identified one VOC, one SVOC, and five metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	6	3	1J - 6	GW-J8-1 (52-55 ft. bgs) GW-K7-1 (57-60 ft. bgs) GW-K8-1 (57-60 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	6	4	50	GW-K8-1 (57-60 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	6	6	32.6J – 73.1	GW-J10-1 (57-60 ft. bgs) GW-J8-1 (52-55 ft. bgs) GW-K8-1 (57-60 ft. bgs) GW-M5-1 (42-45 ft. bgs) GW-O7-1 (52-55 ft. bgs)
Chromium	100	6	6	102J – 910	GW-J10-1 (57-60 ft. bgs) GW-J8-1 (52-55 ft. bgs) GW-K7-1 (57-60 ft. bgs) GW-K8-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-M5-1 (42-45 ft. bgs) GW-O7-1 (52-55 ft. bgs)
Lead	10	6	4	55.1 – 620	GW-J8-1 (52-55 ft. bgs) GW-K8-1 (57-60 ft. bgs) GW-M5-1 (42-45 ft. bgs) GW-O7-1 (52-55 ft. bgs)
Nickel	100	6	6	197 – 363N	GW-J10-1 (57-60 ft. bgs) GW-J8-1 (52-55 ft. bgs) GW-K8-1 (57-60 ft. bgs) GW-M5-1 (42-45 ft. bgs) GW-O7-1 (52-55 ft. bgs)
Thallium	10	6	5	15.1B – 33.4	GW-J10-1 (57-60 ft. bgs) GW-J8-1 (52-55 ft. bgs) GW-K8-1 (57-60 ft. bgs) GW-M5-1 (42-45 ft. bgs) GW-O7-1 (52-55 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.
N - Indicates flash point was not observed, heated to specific limit.

5.9.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the Storage Area.

- There were no E&E GWQS exceedances identified in the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.

- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.

- The detected concentrations of PCE exceeding the GWQS are likely a result of historic manufacturing operations. The number of detections and the respective concentrations indicate that the presence of PCE a localized situation and does not represent a significant environmental condition.

5.10 MISCELLANEOUS/OFFSITE AREA

This section describes the results of the chemical analysis performed on samples collected from the Miscellaneous/Offsite Area. Figure 7 presents the sampling locations within the Miscellaneous/Offsite Area. Figure 12 graphically presents the constituents detected by laboratory analysis within the Miscellaneous/Offsite Area compared to the GWQS. Tables 4 through 14 present the complete set of comparisons of laboratory analyses to the GWQS.

Shallow and deep unconsolidated aquifer groundwater samples were collected from the following 23 locations:

GW-A14-01	GW-A14-02	GW-A15-01	GW-AA13-01	GW-B15-01	GW-B15-02
GW-C16-01	GW-C16-02	GW-D16-02	GW-D16-1	GW-E16-02	GW-E16-03
GW-E16-1	GW-F14-01	GW-F15-01	GW-F15-02	GW-G13-1	GW-G14-1
GW-G14-2	GW-G14-3	GW-H14-1	GW-N13-1	GW-O13-1	

The following groundwater samples were not collected as proposed in the sampling and analysis plan:

GW-A14-1-01 (Deep and Shallow)	GW-A14-2-01 (Deep and Shallow)
GW-A14-3-01 (Deep and Shallow)	GW-A14-4-01 (Deep and Shallow)
GW-A15-02 (Deep and Shallow)	GW-B14-1-01 (Deep and Shallow)
GW-B14-2-01 (Deep and Shallow)	GW-E15-1 (Deep and Shallow)

GW-F14-3-01 (Deep and Shallow)	GW-H14-2 (Deep and Shallow)
GW-M11-1 (Deep and Shallow)	

Sample locations GW-H14-2 and GW-M11-1 are positioned on the eastern topographic ridge and were evaluated for the present of groundwater within the thin unconsolidated sediments. The unconsolidated sediment was approximately two feet thick and did not contain groundwater.

Sample locations GW-A15-02 and GW-E15-1 were inaccessible due to the presence of wetlands and cannot be reached unless a road is built.

Sample locations GW-A14-1-01 and GW-A14-2-01 were replaced by modifications to the sampling and analysis plan presented in the Groundwater Site Investigation Report Addendum.

The remainder of the proposed groundwater samples were not collected because it was determined unsafe to perform the necessary intrusive activities until the down-gradient groundwater had been evaluated for the presence of NG at concentrations that could indicate an up-gradient source of free phase NG.

5.10.1 Unconsolidated Shallow Aquifer Groundwater Samples

Twenty-three shallow unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Miscellaneous/Offsite Area. Laboratory analysis of the samples identified three VOCs, one SVOC, and four metal constituents at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
cis-1,2-Dichloroethylene	10	23	3	11	GW-B15-01 (22-25 ft. bgs)
TCE	1	23	1	2J	GW-B15-01 (22-25 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
PCE	1	23	6	1J – 6	GW-A15-01 (22-25 ft. bgs) GW-B15-01 (22-25 ft. bgs) GW-B15-02 (22-25 ft. bgs) GW-C16-01 (22-25 ft. bgs) GW-D16-02 (22-25 ft. bgs) GW-E16-1 (17-20 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	23	16	32 – 220J	GW-F15-02 (22-25 ft. bgs) GW-G14-1 (17-20 ft. bgs) GW-H14-1 (17-20 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	23	12	8.5B – 35.8	GW-AA13-01 (22-25 ft. bgs) GW-D16-1 (22-25 ft. bgs) GW-E16-1 (17-20 ft. bgs) GW-F15-01 (22-25 ft. bgs) GW-G13-1 (17-20 ft. bgs) GW-G14-1 (17-20 ft. bgs) GW-G14-3 (17-20 ft. bgs) GW-N13-1 (22-25 ft. bgs)
Chromium	100	23	21	109J – 389	GW-D16-1 (22-25 ft. bgs) GW-E16-1 (17-20 ft. bgs) GW-F15-01 (22-25 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-G14-1 (17-20 ft. bgs) GW-G14-3 (17-20 ft. bgs) GW-N13-1 (22-25 ft. bgs) GW-O13-1 (27-30 ft. bgs)
Lead	10	23	7	10.4B – 91.5	GW-AA13-01 (22-25 ft. bgs) GW-D16-02 (22-25 ft. bgs) GW-F14-01 (22-25 ft. bgs) GW-F15-01 (22-25 ft. bgs) GW-F15-02 (22-25 ft. bgs) GW-G14-1 (17-20 ft. bgs)
Nickel	100	23	20	135 – 219	GW-D16-1 (22-25 ft. bgs) GW-G14-1 (17-20 ft. bgs) GW-G14-3 (17-20 ft. bgs)

B - Indicates that the compound was found in the associated blank.
J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

5.10.2 Unconsolidated Deep Aquifer Groundwater Samples

Twenty-three deep unconsolidated aquifer groundwater samples were collected for laboratory analysis from within the Miscellaneous/Offsite Area. Laboratory analysis of the samples identified two VOCs, one SVOC, and ten metal constituents present at concentrations exceeding the GWQS. The constituents identified to exceed the GWQS are presented below:

VOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
TCE	1	23	2	1J – 2J	GW-N13-1 (57-60 ft. bgs) GW-O13-1 (57-60 ft. bgs)

PCE	1	23	1	1J	GW-B15-01 (57-60 ft. bgs)

J - Indicates value is less than the reporting limit but greater than zero, and is an estimated value.

SVOC Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Bis(2-ethylhexyl) phthalate	30	23	14	130 – 160	GW-D16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs)

Metal Constituents

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Arsenic	8	23	21	9.4B – 240	GW-B15-01 (57-60 ft. bgs) GW-B15-02 (57-60 ft. bgs) GW-C16-02 (57-60 ft. bgs) GW-D16-02 (57-60 ft. bgs) GW-D16-1 (57-60 ft. bgs) GW-E16-02 (57-60 ft. bgs) GW-E16-03 (57-60 ft. bgs) GW-E16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-F15-02 (57-60 ft. bgs) GW-G13-1 (57-60 ft. bgs) GW-G14-1 (57-60 ft. bgs) GW-G14-2 (57-60 ft. bgs) GW-G14-3 (57-60 ft. bgs) GW-H14-1 (36-39 ft. bgs) GW-N13-1 (57-60 ft. bgs) GW-O13-1 (57-60 ft. bgs)
Beryllium	20	23	22	26.9B – 56.5	GW-E16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-F15-02 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
Cadmium	4	23	2	14.5B	GW-H14-1 (36-39 ft. bgs)
Chromium	100	23	23	169 – 2580	GW-A14-02 (57-60 ft. bgs) GW-A15-01 (57-60 ft. bgs) GW-AA13-01 (57-60 ft. bgs) GW-B15-01 (57-60 ft. bgs) GW-B15-02 (57-60 ft. bgs) GW-C16-01 (57-60 ft. bgs) GW-D16-02 (57-60 ft. bgs) GW-D16-1 (57-60 ft. bgs) GW-E16-02 (57-60 ft. bgs) GW-E16-03 (57-60 ft. bgs) GW-E16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-F15-02 (57-60 ft. bgs) GW-G13-1 (57-60 ft. bgs) GW-G14-1 (57-60 ft. bgs) GW-G14-2 (57-60 ft. bgs) GW-G14-3 (57-60 ft. bgs) GW-H14-1 (36-39 ft. bgs) GW-N13-1 (57-60 ft. bgs) GW-O13-1 (57-60 ft. bgs)
Copper	1000	23	22	2130	GW-E16-1 (57-60 ft. bgs)
Lead	10	23	14	11.2B – 343	GW-A14-02 (57-60 ft. bgs) GW-AA13-01 (57-60 ft. bgs) GW-B15-01 (57-60 ft. bgs) GW-B15-02 (57-60 ft. bgs) GW-C16-02 (57-60 ft. bgs) GW-D16-02 (57-60 ft. bgs) GW-D16-1 (57-60 ft. bgs) GW-E16-02 (57-60 ft. bgs) GW-E16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-F15-02 (57-60 ft. bgs) GW-G13-1 (57-60 ft. bgs) GW-G14-1 (57-60 ft. bgs)

Constituent	GWQS (µg/L)	Number of Analyses	Number of Detections	Exceedance Concentration Range (µg/L)	Samples Exceeding the GWQS
					GW-G14-2 (57-60 ft. bgs) GW-G14-3 (57-60 ft. bgs) GW-H14-1 (36-39 ft. bgs) GW-N13-1 (57-60 ft. bgs)
Nickel	100	23	23	112 – 1000	GW-A14-02 (57-60 ft. bgs) GW-AA13-01 (57-60 ft. bgs) GW-B15-01 (57-60 ft. bgs) GW-B15-02 (57-60 ft. bgs) GW-D16-02 (57-60 ft. bgs) GW-D16-1 (57-60 ft. bgs) GW-E16-02 (57-60 ft. bgs) GW-E16-03 (57-60 ft. bgs) GW-E16-1 (57-60 ft. bgs) GW-F14-01 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-F15-02 (57-60 ft. bgs) GW-G14-1 (57-60 ft. bgs) GW-H14-1 (36-39 ft. bgs)
Selenium	50	23	12	85.8	GW-E16-1 (57-60 ft. bgs)
Thallium	10	23	12	10.4B – 93.7B	GW-A14-01 (57-60 ft. bgs) GW-A14-02 (57-60 ft. bgs) GW-A15-01 (57-60 ft. bgs) GW-AA13-01 (57-60 ft. bgs) GW-B15-01 (57-60 ft. bgs) GW-B15-02 (57-60 ft. bgs) GW-C16-02 (57-60 ft. bgs) GW-E16-02 (57-60 ft. bgs) GW-E16-1 (57-60 ft. bgs) GW-F15-01 (57-60 ft. bgs) GW-G14-3 (57-60 ft. bgs)
Zinc	5000	23	23	5440 - 10500	GW-E16-1 (57-60 ft. bgs) GW-G13-1 (57-60 ft. bgs) GW-H14-1 (36-39 ft. bgs)

B - Indicates that the compound was found in the associated blank.

5.10.3 Summary

The following is a summary of the analytical results from the shallow and deep unconsolidated aquifer underlying the Miscellaneous/Offsite Area.

- There were no E&E GWQS exceedances identified in the shallow or deep unconsolidated aquifer.
- The constituents identified and the range of concentrations exceeding the GWQS are generally similar between the shallow and deep unconsolidated aquifer with the exception of some metal constituents. The results of the laboratory analyses on the deep unconsolidated aquifer samples (generally more turbid) indicate some metal constituent concentrations may be higher than the shallow unconsolidated aquifer samples.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.
- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.
- The detected concentrations of PCE, TCE, and cis-1,2-Dichloroethylene are not attributed to historic facility operations. A large regional chlorinated solvent plume underlies Kenvil and the southern portions of the Facility. The chlorinated solvent plume is derived from off-site sources and has not been attributed to historic operations performed at the Facility. The NJDEP conducted a groundwater investigation of the southern portion of the Facility in March 1999 and concluded the Facility was not a source area to the regional plume.

5.11 GENERAL SUPPORT INFORMATION SUMMARY

The following tables present ancillary information that is important to the GW – SI but most effectively viewed from outside the context of an area by area discussion.

- Table 16 presents the sample analyses with method detection limits exceeding the GWQS.
- Table 17 presents constituents detected in the groundwater samples that do not have and established GWQS.

- Table 18 presents the analytical samples that contain rejected results.

- Table 19 presents the list of samples not collected during the GW – SI with the proposed resolution.

6.0 SAMPLE TURBIDITY VERSUS METAL CONCENTRATION

The following section presents a comparison of total (unfiltered) versus dissolved (filtered) metal constituent results.

The sediments underlying the Facility are derived from glacial processes and are inherently poorly sorted with a large percentage of very fine-grained sediments. The very fine-grained sediments can be composed of metal constituents or historically adsorbed metal constituents that are no longer mobile within the groundwater. The very fine grained sediments are immobile under normal aquifer conditions but are locally mobilized and entrained within the sample purge water during the Geoprobe ™ groundwater sample collection process. The Geoprobe ™ groundwater sample collection method does not allow for the effective removal of the fine-grained sediments as compared to the installation of a correctly constructed monitoring well. This results in an unrepresentative sample of groundwater in respect to metal constituent concentrations.

Due to the very large size of the Facility, number of proposed sample locations, and largely unknown groundwater quality prior to initiating the GW – SI the installation of monitoring wells was prohibitively expensive and time consuming. Therefore, the objective of this Section is to evaluate the available total versus filtered metal constituent sample results collected primarily by the Geoprobe ™ groundwater sample collection method and describe the relationship for future groundwater investigation activity.

6.1 TOTAL VERSUS DISSOLVED METAL COMPARISON

This section describes the results of total and dissolved metal chemical analysis performed on samples collected. Figure 7 presents the sampling locations. Table 15 presents the exceedance summary of the samples analyzed for dissolved metals exceeding the GWQS. Table 20 presents a comparison of analytical sample results for the 33 samples analyzed for total and dissolved metals. The following 33 samples were collected and analyzed for both total and dissolved metal analyses:

GW-A14-01 (22-25 ft. bgs)	GW-A14-01 (57-60 ft. bgs)	GW-A14-02 (22-25 ft. bgs)

GW-A14-02 (57-60 ft. bgs)	GW-A15-01 (22-25 ft. bgs)	GW-A15-01 (57-60 ft. bgs)
GW-AA13-01 (22-25 ft. bgs)	GW-AA13-01 (57-60 ft. bgs)	GW-B15-01 (22-25 ft. bgs)
GW-B15-01 (57-60 ft. bgs)	GW-B15-02 (22-25 ft. bgs)	GW-B15-02 (57-60 ft. bgs)
GW-C16-01 (22-25 ft. bgs)	GW-C16-01 (57-60 ft. bgs)	GW-C16-02 (22-25 ft. bgs)
GW-C16-02 (57-60 ft. bgs)	GW-D16-02 (22-25 ft. bgs)	GW-D16-02 (57-60 ft. bgs)
GW-E16-02 (22-25 ft. bgs)	GW-E16-02 (57-60 ft. bgs)	GW-E16-03 (22-25 ft. bgs)
GW-E16-03 (57-60 ft. bgs)	GW-F14-01 (22-25 ft. bgs)	GW-F14-01 (57-60 ft. bgs)
GW-F15-01 (22-25 ft. bgs)	GW-F15-01 (57-60 ft. bgs)	GW-F15-02 (22-25 ft. bgs)
GW-F15-02 (57-60 ft. bgs)	MW-19	MW-20
MW-21	MW-24	MW-25

The following tables present the results of comparing the total versus dissolved metal laboratory results. The comparison shows a significant reduction of metal constituents present in the dissolved samples at concentrations exceeding the GWQS. This significant reduction in the concentration of metal constituents indicates that the majority of the metal constituents present in the total sample represent immobile very fined grained sediments that have been entrained in the sample shipped to the laboratory during the sample collection process. Therefore, the comparison of total metal analysis to the GWQS does not represent actual groundwater conditions underlying the Facility.

	Total Metals	**Dissolved Metals**
Number of Samples Exceeding the GWQS	23	2*

Total Metals	GWQS	Number of Samples Exceeding the GWQS
Arsenic	8	11
Beryllium	20	2
Chromium	100	12
Lead	10	15
Nickel	100	9
Thallium	10	13

Dissolved Metals	GWQS	Number of Samples Exceeding the GWQS
Thallium	10	2*

* Thallium was only detected above the GWQC in two samples and each result was qualified as JB. B - Indicates that the compound was found in the associated blank. J - Value is less than the reporting limit but greater than zero, is an estimated value. Therefore, the Thallium values are likely invalid due to laboratory contamination.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The GW – SI completed the stated objective as described in N.J.A.C. 7:26E-3.3(a). The objective was to determine if there are any contaminants present within the facility groundwater at concentrations exceeding the Groundwater Quality Standards Specific Ground Water Quality Criteria – IIA (N.J.A.C. 7:9-6).

7.1 CONCLUSIONS

The following paragraphs present specific conclusions of the GW – SI:

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

- Horizontal groundwater flow diverges at the Facility in the region of Duck Pond. North of Duck Pond the groundwater flows to the north. South of Duck Pond the groundwater flows toward the south. The vast majority of the Facility's former manufacturing operations and groundwater sample locations were located south of Duck Pond.

- The number of samples collected and the suite of analyses performed provided sufficient information to properly identify constituents at concentrations exceeding the GWQS within the groundwater at the Facility, except the areas reserved for future investigation based on the possibility of encountering NG (primarily TNT, NG PETN, and Dynamite Areas).

- The results of the laboratory analysis identified 3 VOC, 2 SVOC, and 12 metal constituents at concentrations exceeding the GWQS at least once at the Facility. The analytical groups, constituents, and number of specific GWQS exceedances site-wide include:

VOCs	Number of GWQS Exceedances
cis-1,2-Dichloroethylene	1
Tetrachloroethylene (PCE)	21
Trichloroethylene (TCE)	7

SVOCs	Number of GWQS Exceedances
Bis(2-ethylhexyl) phthalate	19
2,4/2,6-Dinitrotoluene	2
Metals	**Number of GWQS Exceedances**
Antimony	5
Arsenic	99
Beryllium	27
Cadmium	12
Chromium	98
Copper	18
Lead	96
Mercury	15
Nickel	76
Selenium	6
Thallium	53
Zinc	22

- There were no significant site-wide plumes identified.
- The detected concentrations of metal constituents exceeding the GWQS are believed to be attributed to the highly turbid samples collected using Geoprobe® sampling techniques and it is not likely representative of actual groundwater quality. Additional investigation is required to determine groundwater quality regarding metal constituents.
- The detected concentrations of PCE, TCE, and cis-1,2-Dichloroethylene exceeding the GWQS in the Miscellaneous/Offsite Area are not attributed to historic facility operations. A large regional chlorinated solvent plume underlies Kenvil and the southern portions of the Facility. The chlorinated solvent plume is derived from off-site sources and has not been attributed to historic operations performed at the Facility. The NJDEP (Robert Fowler/Robert Beretsky)

conducted a groundwater investigation of the southern portion of the Facility in March 1999 and concluded the Facility was not a source area to the regional plume.

- The detected concentrations of PCE and TCE exceeding the GWQS within the Maintenance, B-Line, Finishing, and Storage Areas are likely a result of historic manufacturing operations. The number of detections and their respective concentrations indicate that the presence of PCE and TCE is a localized situation. Down-gradient groundwater sample analysis determined the PCE and TCE are contained within the former operational areas of the Facility.

- The detected concentrations of Bis(2-ethylhexyl) phthalate exceeding the GWQS is likely a result of historic manufacturing operations.

- NG was not detected at concentrations that would likely indicate the presence of a potential free phase source in the former NG manufacturing/handling areas.

7.2 RECOMMENDATIONS

- Evaluate the applicability of utilizing the Triad approach for future investigation and remedial investigations. The Triad approach is a process integrating systematic planning, dynamic work plans, and real-time measurements to achieve more timely and cost-effective site characterization and cleanup.

- Develop site specific groundwater quality standards for the detected constituents without an applicable GWQS.

- Perform future remedial investigation activities at the locations identified through laboratory analysis of groundwater samples to contain constituents at concentrations exceeding the GWQS.

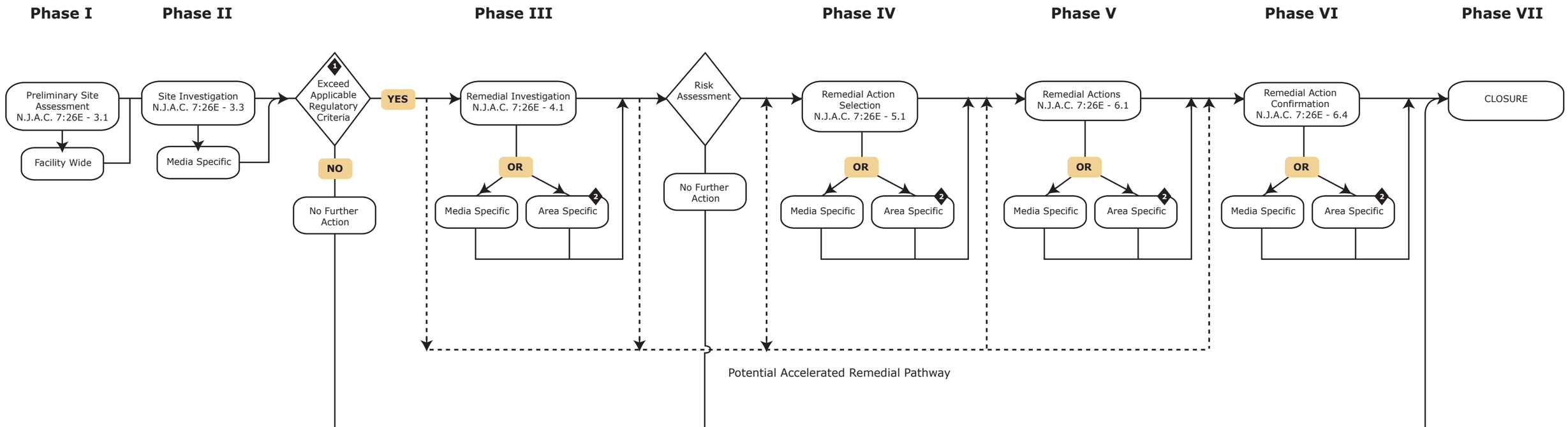
- Future collection of groundwater samples for metal constituent analysis should be performed using either temporary or permanent monitoring wells/piezometers. The monitoring wells/piezometers should be developed prior to sample collection to ensure that fine-grained sediments to do not become entrained in the sample. Utilization of low flow sampling techniques is recommended.

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

- Collect the proposed groundwater sampling activities within the NG manufacturing/handling areas. The groundwater sampling activities can be coordinated with the future remedial investigation of these areas. Extreme care is still required in these areas as the potential to encounter free phase NG, however unlikely, is still possible.

- Upon completion of the Surface Water and Sediment Site Investigation Report, perform a Baseline Ecological Evaluation as specified in N.J.A.C 7:26E-3.11. Hercules plans to petition the NJDEP as part of the Baseline Ecological Evaluation Work Plan to focus the ecological evaluation on a site-wide or former operational area basis instead of an AOC-specific basis.

- Identify and evaluate the use of innovative technologies that may prove effective in remediating/stabilizing site constituents.



NOTES:

1. REGULATORY CRITERIA

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

Groundwater
NJDEP Class II-A Criteria

Surface Water
NJDEP Surface Water Quality Standards

Sediment
NJDEP Guidance for Sediment Quality

2. AREAS

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

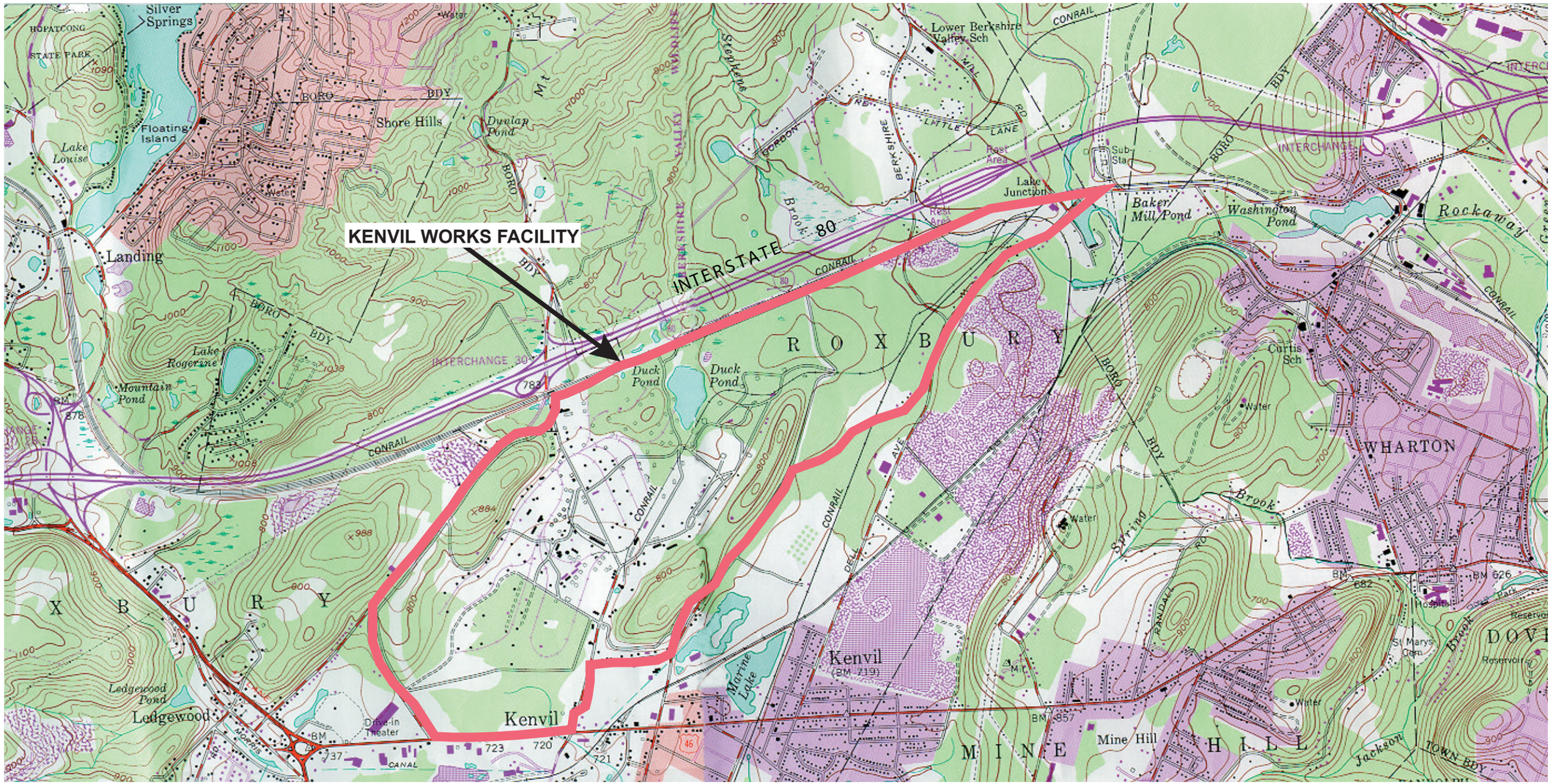
GW SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

FACILITY-WIDE RESTORATION STRATEGY

MWH

FIGURE 1

S:\IND PROJECTS\Hercules-126701S\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\Figure 1.ai



NEW JERSEY

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

SCALE IN FEET

0 2000 4000

north

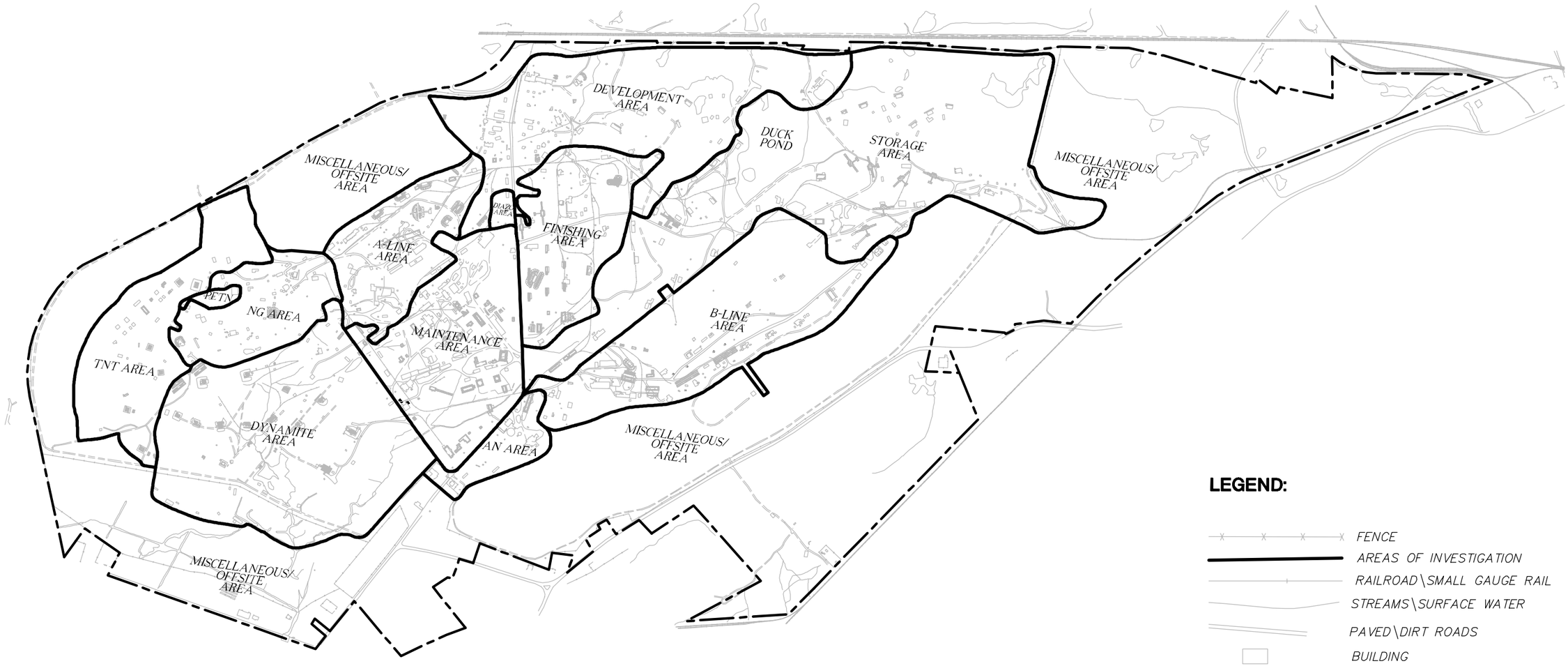
GW SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

FACILITY MAP

MWH

FIGURE 2

S:\IND PROJECTS\Hercules-1267015\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\Fig 2.ai



LEGEND:

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

SOURCE:

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

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

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

NOTES:

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

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

north

0 1000 2000

SCALE IN FEET

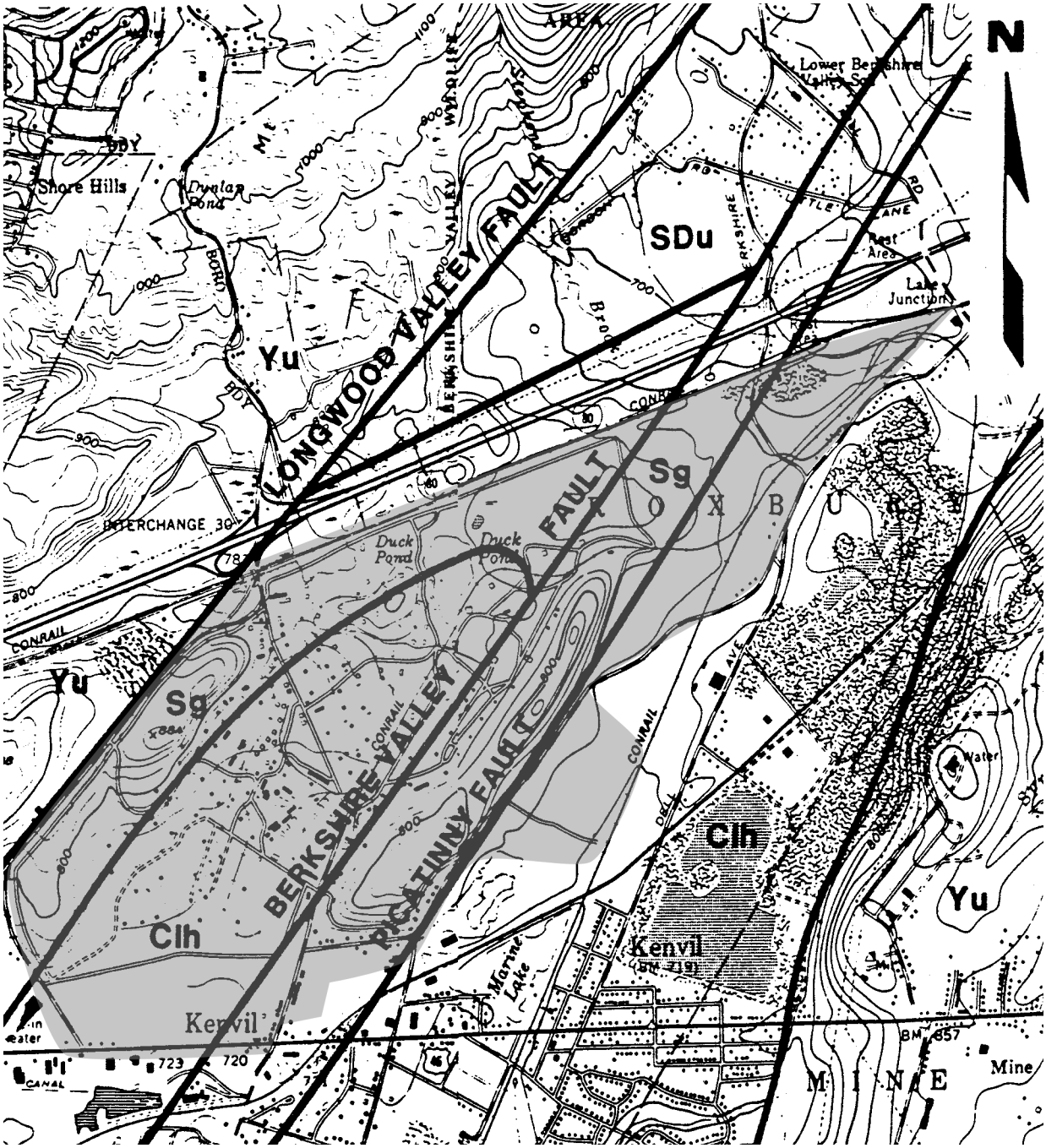
GW SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY, NEW JERSEY

SITE MAP

MWH

FIGURE 3

S:\IND_PROJECTS\Hercules-1267015\Kenvil\GW_SI\GW_SI_REPORT_FINAL\FIGURES\GWSI_FIN-08.DWG



LEGEND

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

Shaded Area = Kenvil Works Facility

GEOLOGY ADAPTED FROM HERMAN ET AL (1991)

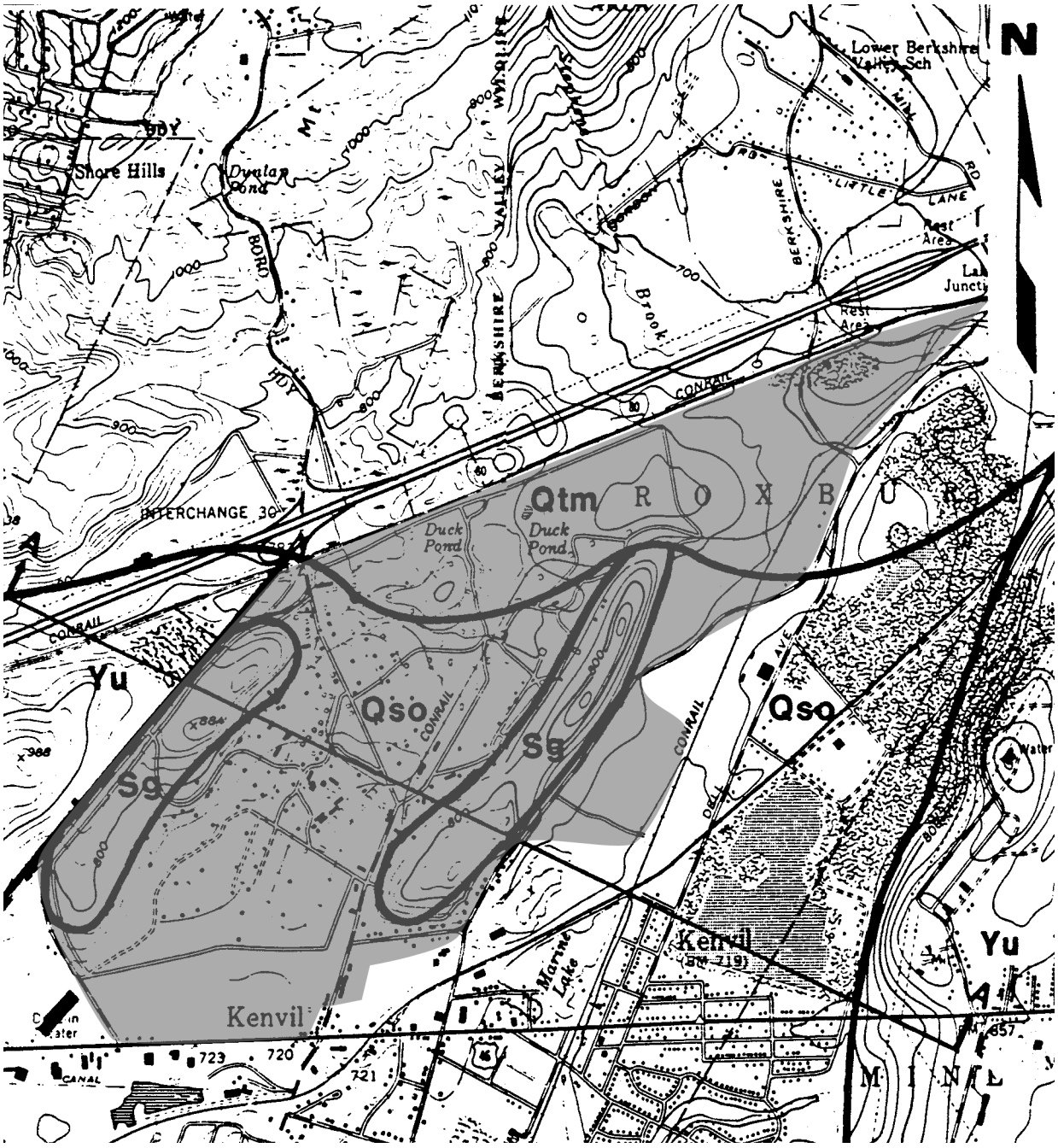
Source: U.S.G.S. Stanhope, NJ, Quadrangle 1954 7.5. Minutes Series (Topographic). Photorevised 1981, and U.S.G.S. Dover, NJ, Quadrangle 1954 7.5 Minute Series (Topographic). Photorevised 1981.

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BEDROCK GEOLOGIC MAP

MWH

FIGURE 4



LEGEND

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

Shaded Area = Kenvil Works Facility

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

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

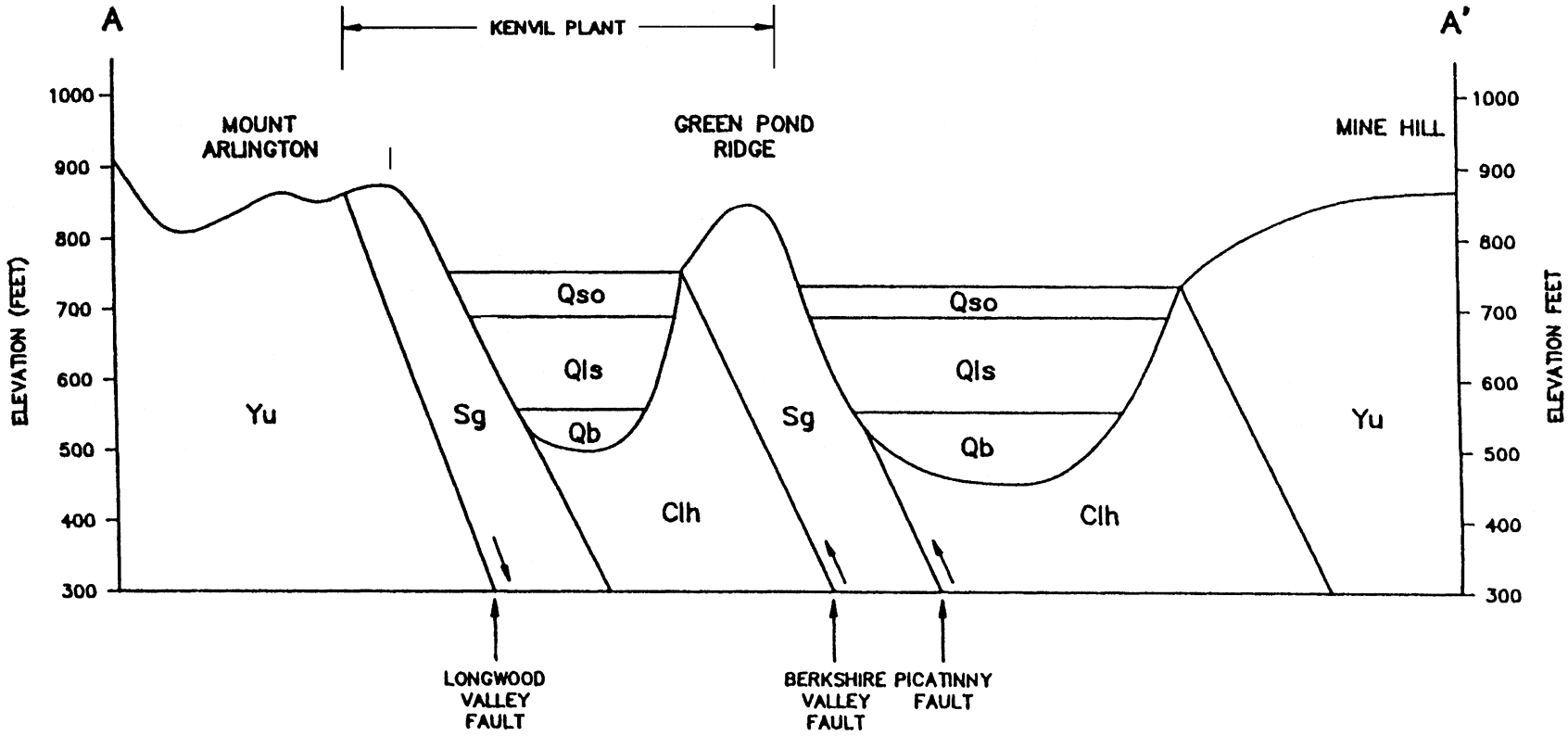
GW SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

BEDROCK SURFICIAL GEOLOGIC MAP

MWH

FIGURE 5

S:\IND PROJECTS\Hercules-1267015\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\Fig 5.ai



LEGEND

GLACIAL VALLEY-FILL GEOLOGIC UNITS

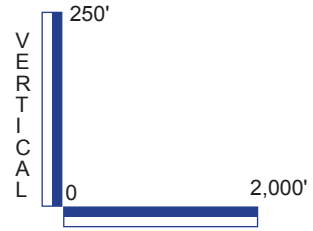
Qso UPPER SAND AND GRAVEL OUTWASH
Qls MIDDLE LACUSTRINE DEPOSITS
Qb BASAL SAND AND GRAVEL

BEDROCK GEOLOGIC UNITS

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

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

Source: ROUX Associates, Inc.



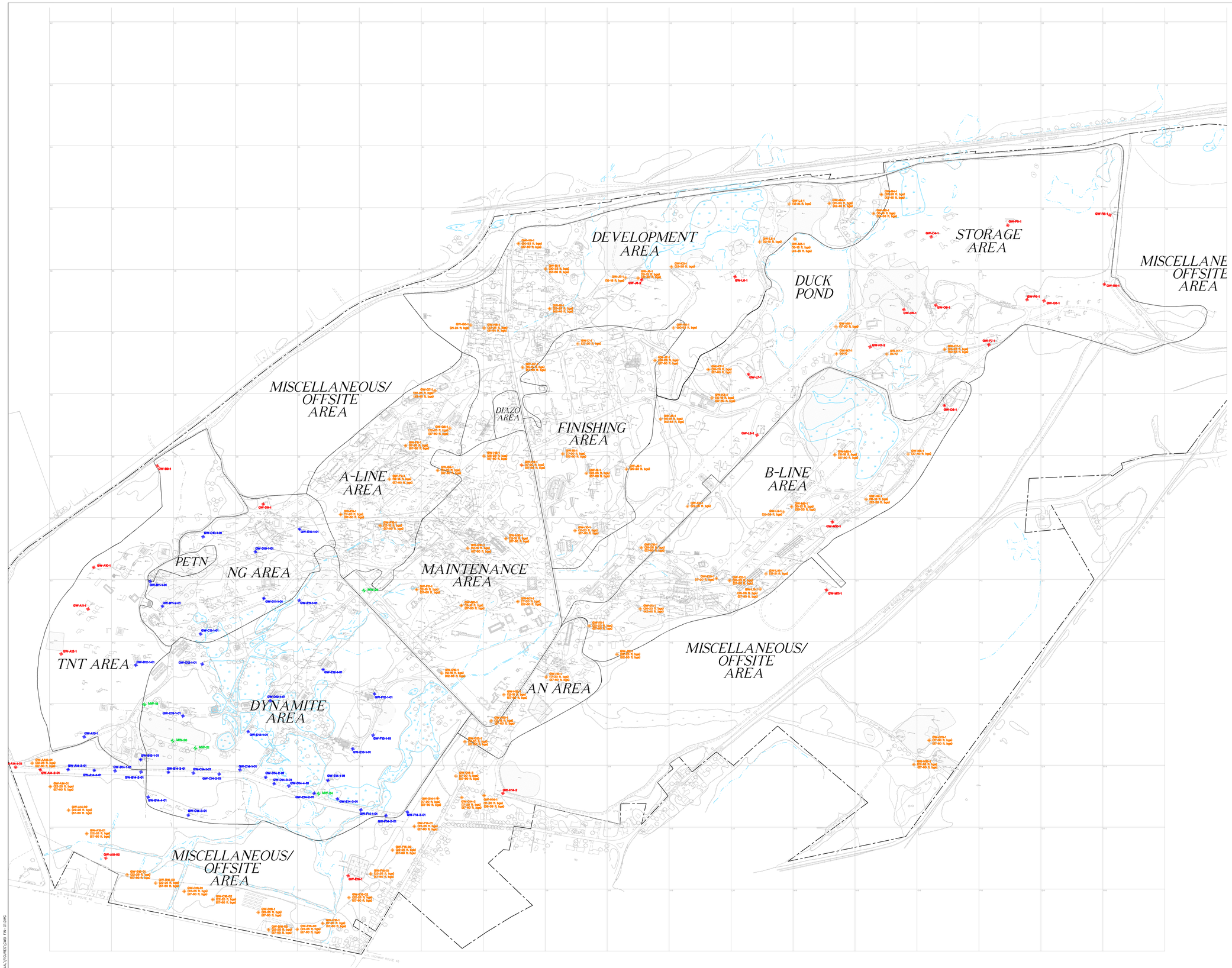
VERTICAL EXAGGERATION = 5x

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

REGIONAL GEOLOGIC CROSS-SECTION

MWH

FIGURE 6



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- GW — GEOPROBE SAMPLE COLLECTED (SEE NOTE 1)
- MW — MONITORING WELL SAMPLE COLLECTED
- GW — SAMPLE LOCATIONS RESERVED FOR CPT
- GW — SAMPLE NOT COLLECTED
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA
- 740 — TOPOGRAPHIC CONTOUR (2 FOOT INTERVAL)

NOTES:

1. GW-N9-1 (15-18 FT BGS) (32-35 FT BGS) INDICATES THAT TWO SAMPLES WERE COLLECTED AT LOCATION GW-N9-1 AT TWO SEPARATE DEPTH INTERVALS.

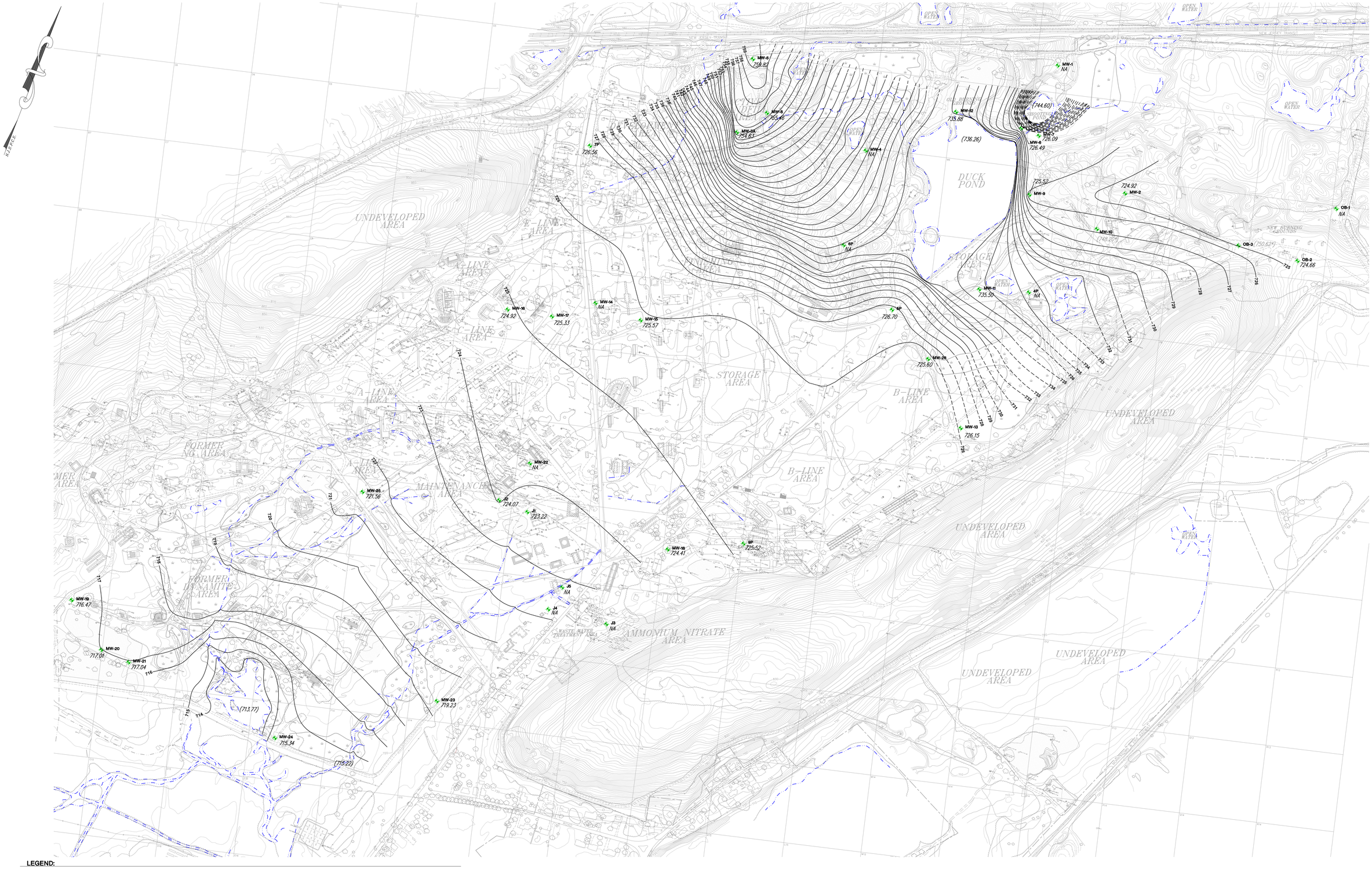
GW - SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

GROUNDWATER SAMPLE LOCATIONS

MWH

FIGURE 7

S:\MD PROJECTS\Hercules-130705\Kenvil\GW SI\GW SI REPORT FINAL FIGURES\GWD FIN-01.DWG



LEGEND:

- FEATURE IDENTIFIER
- APPROXIMATE LOCATION
- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- TREE
- SMALL TREE
- WET AREA
- TREE LINE
- HEDGE
- FENCE
- PROPERTY LINE
- GUIDE RAIL
- RAILROAD
- SMALL GAUGE RAIL
- PERIMETER OF WET AREA
- SURFACE WATER
- STREAMS
- STONE WALL
- TRAIL/DIRT ROAD
- ELECTRIC SUBSTATION
- REMNANT PROCESS BUILDING
- REMNANT STORAGE BUILDING
- REMNANT SUPPORT BUILDING
- REMNANT PROCESS SUPPORT BUILDING
- UNKNOWN BUILDING
- REMNANT BUILDINGS – OVERLAP
- GENERAL CONCRETE PAD
- CONFINED SPACE PIT
- TANK SADDLE
- CATCH TANK/SUMP
- CULVERT/WASTEWATER PIT
- DISCHARGE POINT
- DRY WELL
- REMNANT EQUIPMENT
- FLOOR DRAIN
- LOADING AREA
- SEPTIC TANK
- TRANSFORMER
- UTILITY BOX/VALVE BOX
- DRAIN PIPE
- MW-24 / 715.34 — SAMPLED MONITORING WELL LOCATIONS WITH GROUNDWATER ELEVATION (FEET MSL)
- (715.22) — SURFACE WATER BODY ELEVATION (FEET MSL)
- PROCESS GUTTER
- PROCESS PIPELINE
- ASBESTOS CONTAINING MATERIAL PIPELINE
- TRENCH DRAIN
- PROCESS DITCH
- SETTLING POND/ACID RECOVERY AREA
- UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND STORAGE TANK (AST)
- BERM/BARRICADE/BUNKER
- CONTAINMENT BASIN
- MISCELLANEOUS REMNANT ACTIVITY AREA (SEE NOTE 5)
- TOPOGRAPHIC CONTOUR (5 FOOT INTERVAL)
- 724 — POTENTIOMETRIC SURFACE CONTOUR (FEET ABOVE MSL)

NOTES:

1. NA – NOT AVAILABLE. GROUNDWATER ELEVATIONS WERE UNABLE TO BE DETERMINED UTILIZING DATA FROM JULY 2002 EVENT. MONITORING WELLS WERE DRY OR LOCATIONS COULD NOT BE DETERMINED OR FOUND AT THE FACILITY.
2. * – GROUNDWATER ELEVATIONS FOR MW-10 AND OB-3 REPRESENT ANOMALOUS DATA. THESE GROUNDWATER ELEVATIONS WERE NOT INCLUDED IN THE DEVELOPMENT OF THIS POTENTIOMETRIC SURFACE CONTOUR MAP. IT IS LIKELY THAT MW-10 AND OB-3 ARE SCREENED IN A SEPARATE AQUIFER, SURVEY INFORMATION IS INACCURATE, ETC.
3. POTENTIOMETRIC SURFACE CONTOURS BASED ON INTERPRETATION OF GROUNDWATER ELEVATIONS INDICATED BY DATA COLLECTED IN JULY 2002. ASSUMED ALL MONITORING WELLS WERE SCREENED WITHIN THE SAME CONTINUOUS UNCONSOLIDATED AQUIFER (MONITORING WELL CONSTRUCTION LOGS WERE UNAVAILABLE FOR REVIEW, THEREFORE IT COULD NOT BE VALIDATED IF MONITORING WELLS WERE SCREENED WITHIN THE SAME AQUIFER).

0 50 100 200
SCALE: FEET
1"=200'

GW SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

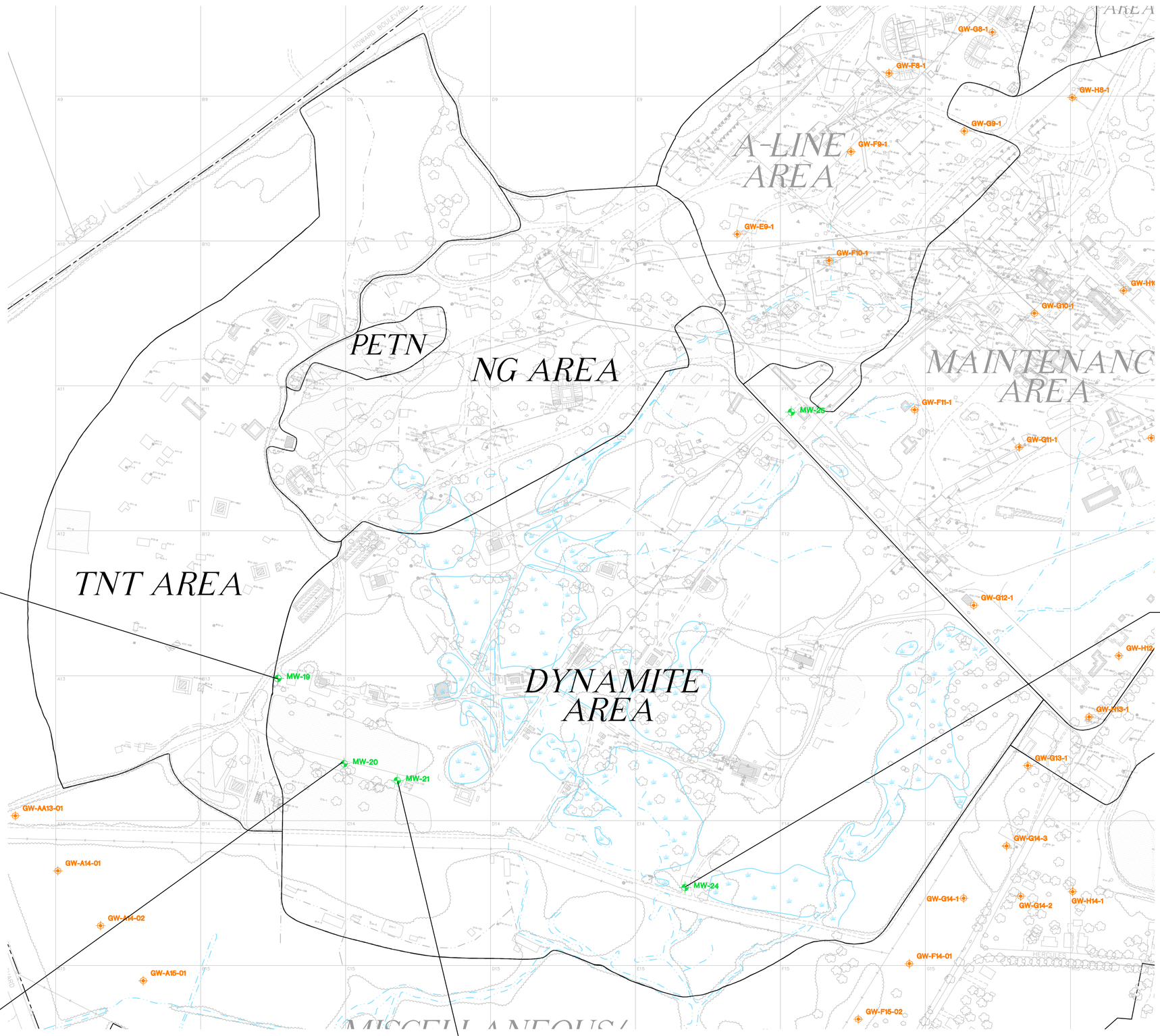
POTENTIOMETRIC SURFACE CONTOUR MAP JULY 2002

MWH

FIGURE 8

S:\IND PROJECTS\Hercules-1267015\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\GWSI FIN-07.DWG

S:\IND PROJECTS\Hercules-1267015\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\GWSI FIN-03.DWG



MW-19			8/22/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	BERYLLIUM	ug/l	20	1.7B
	CHROMIUM, TOTAL	ug/l	100	10.8B
	COPPER	ug/l	1000	26.3
	MERCURY	ug/l	2	0.18B
	NICKEL	ug/l	100	9.6B
	ZINC	ug/l	5000	65.3
E&E	1,3,5-TRINITROBENZENE	ug/l	NS	2.04
	2,4,6-TRINITROTOLUENE	ug/l	NS	13.6
	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	1.65J
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	8.39
	3-NITROTOLUENE	ug/l	NS	0.33J
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	12.6

MW-20			8/22/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**93**
	CHROMIUM, TOTAL	ug/l	100	2.8B
	COPPER	ug/l	1000	8.4B
	NICKEL	ug/l	100	10.3B
	THALLIUM	ug/l	10	**139**
	ZINC	ug/l	5000	24B

MW-21			8/22/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	COPPER	ug/l	1000	3.5B
	THALLIUM	ug/l	10	**30.8**
	ZINC	ug/l	5000	10.8B

MW-24			8/21/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	3.7B
	COPPER	ug/l	1000	16B
	NICKEL	ug/l	100	5.6B
	THALLIUM	ug/l	10	**91.6**
	ZINC	ug/l	5000	15.9B
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	0.38J
	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.39J
	NITROBENZENE	ug/l	10	0.25J

LEGEND:

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

LOCATION MAP



north

300 0 300 600

SCALE IN FEET
1" = 300'

GW - SI REPORT
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TNT, PETN, NG, AND DYNAMITE AREAS GROUNDWATER GWQS POSTINGS MAP

MWH

FIGURE 9

S:\IND_PROJECTS\Hercules-1267015\Kenvil\GW_SI\GW_SI_REPORT_FINAL\FIGURES\GWSI_FIN-04.DWG

GW-H6-1 (22-25 ft. bgs) 4/12/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	CHLOROFORM	ug/l	6	1J
METALS	ARSENIC	ug/l	8	6.3B
	BERYLLIUM	ug/l	20	2.3B
	CHROMIUM, TOTAL	ug/l	100	51.2N
	COPPER	ug/l	1000	74.8
	LEAD	ug/l	10	**13.8B**
	MERCURY	ug/l	2	**6.2N**
	NICKEL	ug/l	100	29B
	ZINC	ug/l	5000	323N
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	1.04

GW-H6-1 (51-54 ft. bgs) 4/12/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ARSENIC	ug/l	8	**14.2**
	BERYLLIUM	ug/l	20	3.9B
	CHROMIUM, TOTAL	ug/l	100	**183N**
	COPPER	ug/l	1000	132
	LEAD	ug/l	10	**24.6**
	MERCURY	ug/l	2	**2.5N**
	NICKEL	ug/l	100	80.3
	SELENIUM	ug/l	50	4.8B
	THALLIUM	ug/l	10	8.9B
	ZINC	ug/l	5000	909N

GW-G6-1 (21-24 ft. bgs) 4/12/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	12
METALS	BERYLLIUM	ug/l	20	1.8B
	CADMIUM	ug/l	4	1.2B
	CHROMIUM, TOTAL	ug/l	100	84.1N
	COPPER	ug/l	1000	61.9
	LEAD	ug/l	10	8.8B
	MERCURY	ug/l	2	0.58N
	NICKEL	ug/l	100	37.1B
	ZINC	ug/l	5000	349N

GW-G7-1 (22-25 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
	DIETHYL PHTHALATE	ug/l	5000	3J
METALS	ARSENIC	ug/l	8	**37.9B**
	BERYLLIUM	ug/l	20	12.2B
	CHROMIUM, TOTAL	ug/l	100	**247N**
	COPPER	ug/l	1000	353
	LEAD	ug/l	10	**84.6B**
	MERCURY	ug/l	2	0.36N
	NICKEL	ug/l	100	**183B**
	ZINC	ug/l	5000	1969N

GW-G7-1 (43-46 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TOLUENE	ug/l	1000	**2J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
METALS	ARSENIC	ug/l	8	**143**
	BERYLLIUM	ug/l	20	**51.6**
	CHROMIUM, TOTAL	ug/l	100	**1450N**
	COPPER	ug/l	1000	**1260**
	LEAD	ug/l	10	**322**
	MERCURY	ug/l	2	**2.9N**
	NICKEL	ug/l	100	**704**
	THALLIUM	ug/l	10	**46.2B**
	ZINC	ug/l	5000	**5760N**

GW-G8-1 (22-25 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	16
METALS	ARSENIC	ug/l	8	**52**
	BERYLLIUM	ug/l	20	14.7B
	CHROMIUM, TOTAL	ug/l	100	**607N**
	COPPER	ug/l	1000	773
	LEAD	ug/l	10	**103**
	MERCURY	ug/l	2	0.5N
	NICKEL	ug/l	100	**385**
	ZINC	ug/l	5000	**10500N**
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.8

GW-G8-1 (57-60 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TOLUENE	ug/l	1000	1J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	7J
METALS	ARSENIC	ug/l	8	**26.3B**
	BERYLLIUM	ug/l	20	10.6B
	CHROMIUM, TOTAL	ug/l	100	**708N**
	COPPER	ug/l	1000	390
	LEAD	ug/l	10	**71.9B**
	MERCURY	ug/l	2	**2.4N**
	NICKEL	ug/l	100	**213B**
	ZINC	ug/l	5000	2450N

GW-F8-1 (17-20 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	CHROMIUM, TOTAL	ug/l	100	3.26N
	COPPER	ug/l	1000	32.4
	MERCURY	ug/l	2	0.062BN
	NICKEL	ug/l	100	11.1B
	ZINC	ug/l	5000	295N
E&E	2,4,6-TRINITROTOLUENE	ug/l	NS	0.28J

GW-F8-1 (57-60 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	BERYLLIUM	ug/l	20	1.6B
	CHROMIUM, TOTAL	ug/l	100	57.2N
	COPPER	ug/l	1000	67.9
	LEAD	ug/l	10	**11.3B**
	MERCURY	ug/l	2	0.045BN
	NICKEL	ug/l	100	33.2B
	ZINC	ug/l	5000	247N

GW-G9-1 (17-20 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ARSENIC	ug/l	8	**42B**
	BERYLLIUM	ug/l	20	13.5B
	CHROMIUM, TOTAL	ug/l	100	**304N**
	COPPER	ug/l	1000	412
	LEAD	ug/l	10	**123**
	MERCURY	ug/l	2	0.7N
	NICKEL	ug/l	100	**177B**
	ZINC	ug/l	5000	1660N
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	**280**
	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	6.3

GW-G9-1 (57-60 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	CHROMIUM, TOTAL	ug/l	100	1.78N
	COPPER	ug/l	1000	23.1B
	ZINC	ug/l	5000	111N
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.69

GW-F9-1 (12-15 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	8J
METALS	BERYLLIUM	ug/l	20	0.83B
	CHROMIUM, TOTAL	ug/l	100	3.58N
	COPPER	ug/l	1000	50
	LEAD	ug/l	10	**10.8B**
	NICKEL	ug/l	100	12.1B
	ZINC	ug/l	5000	97.2N

GW-F9-1 (57-60 ft. bgs) 4/13/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	CHROMIUM, TOTAL	ug/l	100	2.38N
	COPPER	ug/l	1000	25.5
	MERCURY	ug/l	2	0.18N
	NICKEL	ug/l	100	9.9B
	ZINC	ug/l	5000	53.7N

GW-E9-1 (17-20 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
	N-NITROSODIPHENYLAMINE	ug/l	20	5J
METALS	ARSENIC	ug/l	8	**16.4**
	BERYLLIUM	ug/l	20	3.2B
	CHROMIUM, TOTAL	ug/l	100	75.2
	COPPER	ug/l	1000	152
	LEAD	ug/l	10	**36.9**
	NICKEL	ug/l	100	52
	THALLIUM	ug/l	10	**11.1B**
	ZINC	ug/l	5000	493

GW-E9-1 (57-60 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**450**
	DIETHYL PHTHALATE	ug/l	5000	2J
	N-NITROSODIPHENYLAMINE	ug/l	20	2J
METALS	ARSENIC	ug/l	8	**75.8**
	BERYLLIUM	ug/l	20	**26.8B**
	CHROMIUM, TOTAL	ug/l	100	**1500**
	COPPER	ug/l	1000	**1090**
	LEAD	ug/l	10	**140**
	NICKEL	ug/l	100	**488**
	SELENIUM	ug/l	50	**59.8**
	THALLIUM	ug/l	10	**90.6B**
	ZINC	ug/l	5000	**6320**

GW-F10-1 (12-15 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**140**
METALS	ARSENIC	ug/l	8	**34.7**
	BERYLLIUM	ug/l	20	5.8B
	CHROMIUM, TOTAL	ug/l	100	**127**
	COPPER	ug/l	1000	260
	LEAD	ug/l	10	**82**
	NICKEL	ug/l	100	**174**
	THALLIUM	ug/l	10	**19.8B**
	ZINC	ug/l	5000	963

GW-F10-1 (57-60 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**150**
METALS	ARSENIC	ug/l	8	**103**
	BERYLLIUM	ug/l	20	**31B**
	CHROMIUM, TOTAL	ug/l	100	**2200**
	COPPER	ug/l	1000	**1500**
	LEAD	ug/l	10	**309**
	MERCURY	ug/l	2	**3.2**
	NICKEL	ug/l	100	**708**
	SELENIUM	ug/l	50	**78**
	THALLIUM	ug/l	10	**87B**
	ZINC	ug/l	5000	**11000**

MW-25 8/22/02

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	COPPER	ug/l	1000	13.6B
	NICKEL	ug/l	100	5.8B
	THALLIUM	ug/l	10	**11S**
	ZINC	ug/l	5000	24B

GW-F11-1 (12-15 ft. bgs) 4/17/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	CHLOROFORM	ug/l	6	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	9J
METALS	CHROMIUM, TOTAL	ug/l	100	4.6B
	NICKEL	ug/l	100	7.8B

GW-F11-1 (57-60 ft. bgs) 4/17/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	11J
METALS	ARSENIC	ug/l	8	**96**
	BERYLLIUM	ug/l	20	**23.6B**
	CHROMIUM, TOTAL	ug/l	100	**1190**
	COPPER	ug/l	1000	**1000**
	LEAD	ug/l	10	**104**
	NICKEL	ug/l	100	**531**
	SELENIUM	ug/l	50	42.7B
	THALLIUM	ug/l	10	**49.4B**
	ZINC	ug/l	5000	**7640**

GW-G10-1 (12-15 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	16
METALS	ARSENIC	ug/l	8	**155**
	BERYLLIUM	ug/l	20	**31.4B**
	CHROMIUM, TOTAL	ug/l	100	**466**
	COPPER	ug/l	1000	**1050**
	LEAD	ug/l	10	**192**
	MERCURY	ug/l	2	**4.9**
	NICKEL	ug/l	100	**292**
	SELENIUM	ug/l	50	47.2B
	ZINC	ug/l	5000	2900

GW-G10-1 (57-60 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TOLUENE	ug/l	1000	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
METALS	ARSENIC	ug/l	8	**99.7**
	BERYLLIUM	ug/l	20	**22B**
	CHROMIUM, TOTAL	ug/l	100	**2970**
	COPPER	ug/l	1000	**1670**
	LEAD	ug/l	10	**201**
	MERCURY	ug/l	2	**4.8**
	NICKEL	ug/l	100	**904**
	SELENIUM	ug/l	50	**62.8**
	THALLIUM	ug/l	10	**99B**
	ZINC	ug/l	5000	**7750**

GW-G11-1 (12-15 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
METALS	ARSENIC	ug/l	8	**89.9**
	BERYLLIUM	ug/l	20	**27.6B**
	CHROMIUM, TOTAL	ug/l	100	**413**
	COPPER	ug/l	1000	701
	LEAD	ug/l	10	**165**
	NICKEL	ug/l	100	**327**
	SELENIUM	ug/l	50	30.6B
	ZINC	ug/l	5000	**8230**

GW-G11-1 (57-60 ft. bgs) 4/16/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	3J
METALS	ANTIMONY	ug/l	20	8B
	ARSENIC	ug/l	8	**52.9**
	BERYLLIUM	ug/l	20	14.1
	CHROMIUM, TOTAL	ug/l	100	**679**
	COPPER	ug/l	1000	494
	LEAD	ug/l	10	**84.2**
	MERCURY	ug/l	2	1.4B
	NICKEL	ug/l	100	**256**
	ZINC	ug/l	5000	2410

GW-I5-1 (30-33 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	19
METALS	ARSENIC	ug/l	8	**49.4**
	BERYLLIUM	ug/l	20	8B
	CADMIUM	ug/l	4	**17.4**
	CHROMIUM, TOTAL	ug/l	100	**395**
	COPPER	ug/l	1000	316
	LEAD	ug/l	10	**92.9**
	NICKEL	ug/l	100	**166**
	SILVER	ug/l	NS	2.3B
	ZINC	ug/l	5000	2360

GW-I5-1 (57-60 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	22
METALS	ARSENIC	ug/l	8	**114**
	BERYLLIUM	ug/l	20	**25.2B**
	CHROMIUM, TOTAL	ug/l	100	**1630**
	COPPER	ug/l	1000	994
	LEAD	ug/l	10	**303**
	NICKEL	ug/l	100	**473**
	THALLIUM	ug/l	10	**56.6B**
	ZINC	ug/l	5000	4180

GW-H5-1 (30-33 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	23
METALS	ARSENIC	ug/l	8	**81.7**
	BERYLLIUM	ug/l	20	16.2B
	CHROMIUM, TOTAL	ug/l	100	**1110**
	COPPER	ug/l	1000	629
	LEAD	ug/l	10	**160**
	NICKEL	ug/l	100	**333**
	SILVER	ug/l	NS	617
	ZINC	ug/l	5000	3610

GW-H5-1 (57-60 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**66**
METALS	ARSENIC	ug/l	8	**152**
	BERYLLIUM	ug/l	20	**53.2B**
	CHROMIUM, TOTAL	ug/l	100	**3070**
	COPPER	ug/l	1000	**1830**
	LEAD	ug/l	10	**466**
	NICKEL	ug/l	100	**923**
	SILVER	ug/l	NS	1930
	ZINC	ug/l	5000	**8670**

GW-H7-1 (13-15 ft. bgs) 4/12/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	21
METALS	ARSENIC	ug/l	8	7.6B
	BERYLLIUM	ug/l	20	3.1B
	CHROMIUM, TOTAL	ug/l	100	**112N**
	COPPER	ug/l	1000	103
	LEAD	ug/l	10	**17.9B**
	MERCURY	ug/l	2	0.13BN
	NICKEL	ug/l	100	55.6
	ZINC	ug/l	5000	768N

GW-H7-1 (57-60 ft. bgs) 4/12/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TOLUENE	ug/l	1000	3J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	19
	DIETHYL PHTHALATE	ug/l	5000	11
METALS	ARSENIC	ug/l	8	**109**
	BERYLLIUM	ug/l	20	**32.6B**
	CHROMIUM, TOTAL	ug/l	100	**1710N**
	COPPER	ug/l	1000	**1560**
	LEAD	ug/l	10	**166**
	MERCURY	ug/l	2	**5.2N**
	NICKEL	ug/l	100	**891**
	THALLIUM	ug/l	10	**60.6B**
	ZINC	ug/l	5000	**12300N**

GW-I6-1 (25-28 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	13J
METALS	ARSENIC	ug/l	8	**147**
	BERYLLIUM	ug/l	20	**35.6B**
	CHROMIUM, TOTAL	ug/l	100	**1130**
	COPPER	ug/l	1000	**1340**
	LEAD	ug/l	10	**309**
	NICKEL	ug/l	100	**634**
	THALLIUM	ug/l	10	**65.3B**
	ZINC	ug/l	5000	4440

GW-I6-1 (42-45 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**38**
METALS	ARSENIC	ug/l	8	**89.5**
	BERYLLIUM	ug/l	20	**21.8B**
	CHROMIUM, TOTAL	ug/l	100	**1050**
	COPPER	ug/l	1000	874
	LEAD	ug/l	10	**200**
	NICKEL	ug/l	100	**393**
	ZINC	ug/l	5000	2950

GW-J5-1 (15-18 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	ARSENIC	ug/l	8	**10.7**
	CADMIUM	ug/l	4	3.1B
	CHROMIUM, TOTAL	ug/l	100	10.2B
	NICKEL	ug/l	100	4B
	ZINC	ug/l	5000	40.8

GW-J6-1 (10-13 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**36**
METALS	ARSENIC	ug/l	8	**125**
	BERYLLIUM	ug/l	20	**47.2B**
	CHROMIUM, TOTAL	ug/l	100	**1690**
	COPPER	ug/l	1000	**1770**
	LEAD	ug/l	10	**325**
	MERCURY	ug/l	2	1.1B
	NICKEL	ug/l	100	**824**
	SELENIUM	ug/l	50	33.2B
	THALLIUM	ug/l	10	**53.2B**
	ZINC	ug/l	5000	**9590**

GW-J6-1 (37-40 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**33**
METALS	ARSENIC	ug/l	8	**20.2**
	BERYLLIUM	ug/l	20	4.4B
	CADMIUM	ug/l	4	**11.7**
	CHROMIUM, TOTAL	ug/l	100	**215**
	COPPER	ug/l	1000	154
	LEAD	ug/l	10	**34.1**
	NICKEL	ug/l	100	87.3
	ZINC	ug/l	5000	900

GW-K5-1 (32-35 ft. bgs) 4/25/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	ANTIMONY	ug/l	20	6.4B
	ARSENIC	ug/l	8	20.3J
	BERYLLIUM	ug/l	20	4.5B
	CHROMIUM, TOTAL	ug/l	100	117J
	COPPER	ug/l	1000	112J
	NICKEL	ug/l	100	67.8J
	ZINC	ug/l	5000	457J
E&E	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	0.53J
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	1.3J
	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.39J
	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ug/l	NS	0.97

GW-L5-1 (12-15 ft. bgs) 5/2/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	BERYLLIUM	ug/l	20	2.1B
	CHROMIUM, TOTAL	ug/l	100	36.2
	COPPER	ug/l	1000	41.3
	LEAD	ug/l	10	**10.4B**
	ZINC	ug/l	5000	252

GW-L4-1 (12-15 ft. bgs) 5/2/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	CHROMIUM, TOTAL	ug/l	100	4.4B
	THALLIUM	ug/l	10	**11.9B**
		NS		
		NS		

GW-M4-1 (20-23 ft. bgs)

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	ARSENIC	ug/l	8	4B
	BERYLLIUM	ug/l	20	0.67B
	CHROMIUM, TOTAL	ug/l	100	11.8B
	LEAD	ug/l	10	10.4B
	THALLIUM	ug/l	10	8.8B
	ZINC	ug/l	5000	262
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	5.07J
	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ug/l	NS	2.96J

GW-M4-1 (42-45 ft. bgs) 5/2/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	ARSENIC	ug/l	8	46.7
	BERYLLIUM	ug/l	20	8.2B
	CADMIUM	ug/l	4	1.1B
	CHROMIUM, TOTAL	ug/l	100	334
	COPPER	ug/l	1000	311
	LEAD	ug/l	10	76.6
	NICKEL	ug/l	100	**187**
	SILVER	ug/l	NS	2B
	THALLIUM	ug/l	10	8.8B
	ZINC	ug/l	5000	1760
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ug/l	NS	0.78

GW-N4-1 (25-28 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	18J
METALS	ARSENIC	ug/l	8	**10.7**
	BERYLLIUM	ug/l	20	3.1B
	CADMIUM	ug/l	4	**8.3B**
	CHROMIUM, TOTAL	ug/l	100	**225**
	COPPER	ug/l	1000	145
	LEAD	ug/l	10	**31.5**
	NICKEL	ug/l	100	83.2
	SILVER	ug/l	NS	1.4B
	ZINC	ug/l	5000	925

GW-N4-1 (42-45 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ARSENIC	ug/l	8	**13.9**
	BERYLLIUM	ug/l	20	2.7B
	CADMIUM	ug/l	4	**7.4B**
	CHROMIUM, TOTAL	ug/l	100	**174**
	COPPER	ug/l	1000	108
	LEAD	ug/l	10	**26.4**
	NICKEL	ug/l	100	61.7
	ZINC	ug/l	5000	500

GW-N5-1 (15-18 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
METALS	ARSENIC	ug/l	8	**49.8B**
	BERYLLIUM	ug/l	20	**33.3B**
	CHROMIUM, TOTAL	ug/l	100	**497**
	COPPER	ug/l	1000	**1560**
	LEAD	ug/l	10	**348**
	NICKEL	ug/l	100	**382**
	THALLIUM	ug/l	10	**51.5B**
	ZINC	ug/l	5000	**18300**

GW-N5-1 (33-36 ft. bgs) 5/3/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ANTIMONY	ug/l	20	6.2B
	ARSENIC	ug/l	8	**17.8**
	BERYLLIUM	ug/l	20	8.6B
	CADMIUM	ug/l	4	**22.6**
	CHROMIUM, TOTAL	ug/l	100	**124**
	COPPER	ug/l	1000	352
	LEAD	ug/l	10	**80.4**
	NICKEL	ug/l	100	**119**
	SILVER	ug/l	NS	3B
	ZINC	ug/l	5000	4440

GW-H8-1 (25-28 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	25J
METALS	ARSENIC	ug/l	8	77.8
	BERYLLIUM	ug/l	20	24.2B
	CADMIUM	ug/l	4	6.5B
	CHROMIUM, TOTAL	ug/l	100	715
	COPPER	ug/l	1000	724
	LEAD	ug/l	10	279
	MERCURY	ug/l	2	2B
	NICKEL	ug/l	100	324
	SILVER	ug/l	NS	28.6B
	ZINC	ug/l	5000	2930
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	2.74J

GW-H8-1 (57-60 ft. bgs) 5/4/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	10J
METALS	ARSENIC	ug/l	8	74.8
	BERYLLIUM	ug/l	20	24B
	CADMIUM	ug/l	4	6.4B
	CHROMIUM, TOTAL	ug/l	100	1120
	COPPER	ug/l	1000	779
	LEAD	ug/l	10	264
	NICKEL	ug/l	100	369
	ZINC	ug/l	5000	2650
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.36J

GW-H9-1 (17-20 ft. bgs) 4/20/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TRICHLOROETHYLENE (TCE)	ug/l	1	**18**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	13
METALS	BERYLLIUM	ug/l	20	6.1B
	CHROMIUM, TOTAL	ug/l	100	**179**
	COPPER	ug/l	1000	176N
	LEAD	ug/l	10	**31.9**
	NICKEL	ug/l	100	58.3N
	ZINC	ug/l	5000	365

GW-H9-1 (57-60 ft. bgs) 4/20/01

Group	Constituent	Units	GWQS	Result
Analytical				
VOCS	TRICHLOROETHYLENE (TCE)	ug/l	1	**4J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	11J
METALS	ANTIMONY	ug/l	20	**69.4BN**
	ARSENIC	ug/l	8	**291***
	BERYLLIUM	ug/l	20	**60.7B**
	CHROMIUM, TOTAL	ug/l	100	**2750**
	COPPER	ug/l	1000	**2250N**
	LEAD	ug/l	10	**334**
	MERCURY	ug/l	2	**3N**
	NICKEL	ug/l	100	**1230N**
	SILVER	ug/l	NS	26.9B
	THALLIUM	ug/l	10	**156B**
	ZINC	ug/l	5000	**10400**

GW-H10-1 (12-15 ft. bgs) 4/23/01

Group	Constituent	Units	GWQS	Result
Analytical				
SVOCS	2,4/2,6-DINITROTOLUENE_SVOCS	ug/l	10	3J
	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**43**
METALS	ANTIMONY	ug/l	20	**37.2BN**
	ARSENIC	ug/l	8	**119***
	BERYLLIUM	ug/l	20	5.9B
	CHROMIUM, TOTAL	ug/l	100	**175**
	COPPER	ug/l	1000	413N
	LEAD	ug/l	10	**911**
	MERCURY	ug/l	2	**13.7N**
	NICKEL	ug/l	100	**115BN**
	SELENIUM	ug/l	50

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GW-K6-1 (50-53 ft. bgs)				4/25/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	9J
METALS	ANTIMONY	ug/l	20	10.2B
	ARSENIC	ug/l	8	**28.9J**
	BERYLLIUM	ug/l	20	4.6B
	CHROMIUM, TOTAL	ug/l	100	**462J**
	COPPER	ug/l	1000	264J
	NICKEL	ug/l	100	**171J**
	THALLIUM	ug/l	10	**11.8B**
	ZINC	ug/l	5000	2270J

GW-J7-1 (25-28 ft. bgs)				4/25/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ANTIMONY	ug/l	20	10B
	ARSENIC	ug/l	8	**23.3J**
	BERYLLIUM	ug/l	20	3.5B
	CHROMIUM, TOTAL	ug/l	100	**159J**
	COPPER	ug/l	1000	146J
	NICKEL	ug/l	100	77.7J
	SELENIUM	ug/l	50	4.5B
	ZINC	ug/l	5000	906J

GW-J7-1 (57-60 ft. bgs)				4/25/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**2J**
	TOLUENE	ug/l	1000	1J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ARSENIC	ug/l	8	6.7J
	BERYLLIUM	ug/l	20	2.7B
	CHROMIUM, TOTAL	ug/l	100	**289J**
	COPPER	ug/l	1000	141J
	LEAD	ug/l	10	**67.2J**
	NICKEL	ug/l	100	**129J**
	ZINC	ug/l	5000	1130J

GW-J8-1 (15-18 ft. bgs)				4/24/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**3J**
METALS	CHROMIUM, TOTAL	ug/l	100	11.7B
	COPPER	ug/l	1000	14.8B
	NICKEL	ug/l	100	8.2B
	ZINC	ug/l	5000	85.8

GW-J8-1 (52-55 ft. bgs)				4/24/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**6**
	TOLUENE	ug/l	1000	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	5J
METALS	ARSENIC	ug/l	8	**48.7***
	BERYLLIUM	ug/l	20	8.4B
	CHROMIUM, TOTAL	ug/l	100	**859**
	COPPER	ug/l	1000	524N
	LEAD	ug/l	10	**55.1**
	MERCURY	ug/l	2	0.79N
	NICKEL	ug/l	100	**363N**
	SELENIUM	ug/l	50	7.1BN
	THALLIUM	ug/l	10	**15.1B**
	ZINC	ug/l	5000	4670

GW-I7-1 (27-30 ft. bgs)				5/4/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	10
METALS	ARSENIC	ug/l	8	**69.2B**
	BERYLLIUM	ug/l	20	**2700**
	CHROMIUM, TOTAL	ug/l	100	**2200**
	COPPER	ug/l	1000	**614**
	LEAD	ug/l	10	1.7B
	MERCURY	ug/l	2	**1160**
	NICKEL	ug/l	100	**120B**
	THALLIUM	ug/l	10	**7970**
	ZINC	ug/l	5000	

GW-I8-1 (17-20 ft. bgs)				4/23/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	CHLOROFORM	ug/l	6	2J
METALS	BERYLLIUM	ug/l	20	3.5B
	CHROMIUM, TOTAL	ug/l	100	**108**
	COPPER	ug/l	1000	130N
	LEAD	ug/l	10	**22.5**
	NICKEL	ug/l	100	60.4N
	ZINC	ug/l	5000	339

GW-I8-1 (57-60 ft. bgs)				4/23/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**2J**
	TOLUENE	ug/l	1000	1J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	5J
METALS	ARSENIC	ug/l	8	**198***
	BERYLLIUM	ug/l	20	**60.4B**
	CHROMIUM, TOTAL	ug/l	100	**2910**
	COPPER	ug/l	1000	**2380N**
	LEAD	ug/l	10	**574**
	MERCURY	ug/l	2	1.9N
	NICKEL	ug/l	100	**1060N**
	SILVER	ug/l	NS	26B
	THALLIUM	ug/l	10	**126B**
	ZINC	ug/l	5000	**11600**
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	0.5J

GW-I9-1 (22-25 ft. bgs)				4/23/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**440**
METALS	BERYLLIUM	ug/l	20	2.9B
	CHROMIUM, TOTAL	ug/l	100	**125**
	COPPER	ug/l	1000	125N
	LEAD	ug/l	10	**14.5B**
	NICKEL	ug/l	100	65N
	ZINC	ug/l	5000	1180

GW-I9-1 (57-60 ft. bgs)				4/23/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	13J
	DIETHYL PHTHALATE	ug/l	5000	3J
METALS	ANTIMONY	ug/l	20	**182BN**
	ARSENIC	ug/l	8	**294***
	BERYLLIUM	ug/l	20	**193B**
	CHROMIUM, TOTAL	ug/l	100	**1350**
	COPPER	ug/l	1000	**7680N**
	LEAD	ug/l	10	**1290**
	MERCURY	ug/l	2	**4N**
	NICKEL	ug/l	100	**3620N**
	SELENIUM	ug/l	50	**126BN**
	SILVER	ug/l	NS	40.6B
	THALLIUM	ug/l	10	**401**
	ZINC	ug/l	5000	**39000**

GW-J9-1 (20-23 ft. bgs)				4/24/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	4.1B
	NICKEL	ug/l	100	7.6BN
	ZINC	ug/l	5000	33

GW-I10-1 (17-20 ft. bgs)				4/20/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**120**
METALS	BERYLLIUM	ug/l	20	2.4B
	CHROMIUM, TOTAL	ug/l	100	**137**
	COPPER	ug/l	1000	120N
	LEAD	ug/l	10	**23.1**
	NICKEL	ug/l	100	57.9N
	ZINC	ug/l	5000	317

GW-I10-1 (57-60 ft. bgs)				4/20/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
METALS	ARSENIC	ug/l	8	**58***
	BERYLLIUM	ug/l	20	8.1B
	CHROMIUM, TOTAL	ug/l	100	**1160**
	COPPER	ug/l	1000	550N
	LEAD	ug/l	10	**60.4**
	MERCURY	ug/l	2	0.51N
	NICKEL	ug/l	100	**344N**
	SELENIUM	ug/l	50	14.1N
	THALLIUM	ug/l	10	**16.2B**
	ZINC	ug/l	5000	2660

GW-J10-1 (25-28 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**20.5J**
	BERYLLIUM	ug/l	20	3.9B
	CHROMIUM, TOTAL	ug/l	100	**209J**
	COPPER	ug/l	1000	194J
	NICKEL	ug/l	100	98.6J
	THALLIUM	ug/l	10	**13.7B**
	ZINC	ug/l	5000	1950J

GW-J10-1 (57-60 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	1J
METALS	ANTIMONY	ug/l	20	13.9B
	ARSENIC	ug/l	8	**32.6J**
	BERYLLIUM	ug/l	20	5.6B
	CHROMIUM, TOTAL	ug/l	100	**734J**
	COPPER	ug/l	1000	383J
	NICKEL	ug/l	100	**324J**
	SELENIUM	ug/l	50	4.3B
	THALLIUM	ug/l	10	**33.4**
	ZINC	ug/l	5000	4350J

GW-I11-1 (20-23 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	CHLOROFORM	ug/l	6	2J
	TRICHLOROETHYLENE (TCE)	ug/l	1	**2J**
METALS	ANTIMONY	ug/l	20	6.6B
	ARSENIC	ug/l	8	**20.6J**
	BERYLLIUM	ug/l	20	3.2B
	CHROMIUM, TOTAL	ug/l	100	**194J**
	COPPER	ug/l	1000	175J
	LEAD	ug/l	10	**181J**
	MERCURY	ug/l	2	0.052B
	NICKEL	ug/l	100	81J
	ZINC	ug/l	5000	991J
GENCHEM	NITROGEN, AMMONIA (AS N)	mg/l	NS	0.26J
	NITROGEN, NITRATE (AS N)	mg/l	10	0.31
	NITROGEN, NITRITE	mg/l	1	0.084

GW-I11-1 (57-60 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**466J**
	BERYLLIUM	ug/l	20	**118B**
	CHROMIUM, TOTAL	ug/l	100	**5530J**
	COPPER	ug/l	1000	**4040J**
	LEAD	ug/l	10	**964J**
	MERCURY	ug/l	2	**12.7**
	NICKEL	ug/l	100	**2170J**
	ZINC	ug/l	5000	**14500J**
GENCHEM	NITROGEN, AMMONIA (AS N)	mg/l	NS	0.64J
	NITROGEN, NITRATE (AS N)	mg/l	10	0.18
	NITROGEN, NITRITE	mg/l	1	0.074

GW-K7-1 (25-28 ft. bgs)				4/25/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	DIETHYL PHTHALATE	ug/l	5000	3J
METALS	ARSENIC	ug/l	8	**8J**
	BERYLLIUM	ug/l	20	1.4B
	CHROMIUM, TOTAL	ug/l	100	19.6J
	COPPER	ug/l	1000	36.7J
	NICKEL	ug/l	100	18.6J
	ZINC	ug/l	5000	156J

GW-K7-1 (57-60 ft. bgs)				4/25/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**3J**
	TOLUENE	ug/l	1000	1J
METALS	ARSENIC	ug/l	8	6.4J
	BERYLLIUM	ug/l	20	1.1B
	CHROMIUM, TOTAL	ug/l	100	**102J**
	COPPER	ug/l	1000	54.4J
	NICKEL	ug/l	100	36.5J
	ZINC	ug/l	5000	326J

GW-K9-1 (22-25 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	3.7J
	CHROMIUM, TOTAL	ug/l	100	4.2J
	COPPER	ug/l	1000	2.6J
	LEAD	ug/l	10	8.6J

GW-K8-1 (15-18 ft. bgs)				4/24/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**2J**
METALS	ARSENIC	ug/l	8	**15.4**
	BERYLLIUM	ug/l	20	1.9B
	CHROMIUM, TOTAL	ug/l	100	36.7
	COPPER	ug/l	1000	53.4
	LEAD	ug/l	10	**20.3**
	NICKEL	ug/l	100	26B
	ZINC	ug/l	5000	155

GW-K8-1 (57-60 ft. bgs)				4/24/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
	TOLUENE	ug/l	1000	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**50**
METALS	ANTIMONY	ug/l	20	10.4B
	ARSENIC	ug/l	8	**73.1**
	BERYLLIUM	ug/l	20	10.7
	CHROMIUM, TOTAL	ug/l	100	**910**
	COPPER	ug/l	1000	626
	LEAD	ug/l	10	**105**
	NICKEL	ug/l	100	**312**
	SELENIUM	ug/l	50	15.8
	THALLIUM	ug/l	10	**25**
	ZINC	ug/l	5000	2430

GW-K10-1 (17-20 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	27.5B

GW-J11-1 (20-23 ft. bgs)				5/4/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	10J
METALS	CHROMIUM, TOTAL	ug/l	100	4B
	NICKEL	ug/l	100	4.7B
	ZINC	ug/l	5000	49.2

GW-J11-1 (42-45 ft. bgs)				5/3/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	13
METALS	ARSENIC	ug/l	8	**51.1**
	BERYLLIUM	ug/l	20	9.6B
	CADMIUM	ug/l	4	**22.2**
	CHROMIUM, TOTAL	ug/l	100	**448**
	COPPER	ug/l	1000	396
	LEAD	ug/l	10	**110**
	NICKEL	ug/l	100	**190**
	SILVER	ug/l	NS	1.7B
	ZINC	ug/l	5000	1310

GW-J12-1 (22-25 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	6.5J
	CHROMIUM, TOTAL	ug/l	100	29.8J
	COPPER	ug/l	1000	14.5J
	LEAD	ug/l	10	8.8J
	NICKEL	ug/l	100	7.5J
GENCHEM	NITROGEN, AMMONIA (AS N)	mg/l	NS	0.21J
	NITROGEN, NITRITE	mg/l	1	0.074

GW-J12-1 (52-55 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**102J**
	BERYLLIUM	ug/l	20	**24B**
	CHROMIUM, TOTAL	ug/l	100	**991J**
	COPPER	ug/l	1000	931J
	LEAD	ug/l	10	**196J**
	MERCURY	ug/l	2	1.3B
	NICKEL	ug/l	100	**406J**
	ZINC	ug/l	5000	3910J
GENCHEM	NITROGEN, AMMONIA (AS N)	mg/l	NS	0.38J
	NITROGEN, NITRATE (AS N)	mg/l	10	0.16
	NITROGEN, NITRITE	mg/l	1	0.07

GW-K9-1 (22-25 ft. bgs)				4/26/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	3.7J
	CHROMIUM, TOTAL	ug/l	100	4.2J
	COPPER	ug/l	1000	2.6J
	LEAD	ug/l	10	8.6J

GW-M5-1 (15-18 ft. bgs)				5/2/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	XYLENES, TOTAL	ug/l	40	1J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
	N-NITROSODIPHENYLAMINE	ug/l	20	3J
METALS	ANTIMONY	ug/l	20	7.9B
	ARSENIC	ug/l	8	**49.7**
	BERYLLIUM	ug/l	20	**25.7**
	CHROMIUM, TOTAL	ug/l	100	**790**
	COPPER	ug/l	1000	423
	LEAD	ug/l	10	**240**
	NICKEL	ug/l	100	**309**
	SELENIUM	ug/l	50	6.4B
	SILVER	ug/l	NS	2.3B
	THALLIUM	ug/l	10	**30.2**
	ZINC	ug/l	5000	**7700**

GW-M5-1 (42-45 ft. bgs)				5/2/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	2J
	XYLENES, TOTAL	ug/l	40	3J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	7J
METALS	ARSENIC	ug/l	8	**37.2**
	BERYLLIUM	ug/l	20	10.8
	CHROMIUM, TOTAL	ug/l	100	**568**
	COPPER	ug/l	1000	451
	LEAD	ug/l	10	**620**
	NICKEL	ug/l	100	**197**
	SILVER	ug/l	NS	3B
	THALLIUM	ug/l	10	**22.8**
	ZINC	ug/l	5000	2270

GW-M6-1 (17-20 ft. bgs)				5/2/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	3J
METALS	ARSENIC	ug/l	8	11.8
	BERYLLIUM	ug/l	20	2.3B
	CHROMIUM, TOTAL	ug/l	100	46.8
	COPPER	ug/l	1000	76.4
	LEAD	ug/l	10	**17.4B**
	ZINC	ug/l	5000	163

GW-M7-1 (N-A ft. bgs)				4/11/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	1J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**47**
METALS	BERYLLIUM	ug/l	20	7.6B
	CHROMIUM, TOTAL	ug/l	100	**397N**
	COPPER	ug/l	1000	372
	MERCURY	ug/l	2	0.45N
	NICKEL	ug/l	100	**118**
	ZINC	ug/l	5000	2030N

GW-K11-1 (20-23 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**33.2**
	BERYLLIUM	ug/l	20	5.8B
	CADMIUM	ug/l	4	**4.4B**
	CHROMIUM, TOTAL	ug/l	100	**357**
	COPPER	ug/l	1000	409
	LEAD	ug/l	10	**91.1**
	NICKEL	ug/l	100	**175**
	SILVER	ug/l	NS	1.7B
	THALLIUM	ug/l	10	**12.5B**
	ZINC	ug/l	5000	4410

GW-K11-1 (57-60 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
	TOLUENE	ug/l	1000	2J
METALS	ARSENIC	ug/l	8	**48.4**
	BERYLLIUM	ug/l	20	7.8B
	CADMIUM	ug/l	4	**4.5B**
	CHROMIUM, TOTAL	ug/l	100	**766**
	COPPER	ug/l	1000	491
	LEAD	ug/l	10	**134**
	NICKEL	ug/l	100	**274**
	SILVER	ug/l	NS	2.4B
	THALLIUM	ug/l	10	**23.6**
	ZINC	ug/l	5000	3250

GW-M8-1 (15-18 ft. bgs)				4/27/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ANTIMONY	ug/l	20	**20.8**
	ARSENIC	ug/l	8	**41.7J**
	BERYLLIUM	ug/l	20	15.9
	CHROMIUM, TOTAL	ug/l	100	**496J**
	COPPER	ug/l	1000	461J
	LEAD	ug/l	10	**102J**
	NICKEL	ug/l	100	**284J**
	SELENIUM	ug/l	50	17.5
	THALLIUM	ug/l	10	**12.6B**
	ZINC	ug/l	5000	3700J

GW-M8-1 (57-60 ft. bgs)				4/27/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ANTIMONY	ug/l	20	12.6B
	ARSENIC	ug/l	8	**55.2J**
	BERYLLIUM	ug/l	20	3.9B
	CADMIUM	ug/l	4	**19.2**
	CHROMIUM, TOTAL	ug/l	100	**636J**
	COPPER	ug/l	1000	927J
	LEAD	ug/l	10	**920J**
	MERCURY	ug/l	2	0.75B
	NICKEL	ug/l	100	**191J**
	SELENIUM	ug/l	50	7.2B
	SILVER	ug/l	NS	10.5B
	THALLIUM	ug/l	10	**12.3B**
	ZINC	ug/l	5000	15700J

GW-N7-1 (N-A ft. bgs)				4/10/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**10.3**
	BERYLLIUM	ug/l	20	2.3B
	CHROMIUM, TOTAL	ug/l	100	70.4N
	COPPER	ug/l	1000	56.9
	LEAD	ug/l	10	**15B**
	MERCURY	ug/l	2	0.029BN
	NICKEL	ug/l	100	39B
	ZINC	ug/l	5000	587N

GW-O7-1 (25-28 ft. bgs)				5/1/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ARSENIC	ug/l	8	9B
	BERYLLIUM	ug/l	20	1.2B
	CHROMIUM, TOTAL	ug/l	100	123
	COPPER	ug/l	1000	48.1
	SILVER	ug/l	NS	1.5B
	THALLIUM	ug/l	10	17.1B
	ZINC	ug/l	5000	275
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ug/l	NS	0.89
	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ug/l	NS	0.53J

GW-O7-1 (52-55 ft. bgs)				5/1/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	2J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	16
METALS	ARSENIC	ug/l	8	50.7
	BERYLLIUM	ug/l	20	7.3B
	CHROMIUM, TOTAL	ug/l	100	582
	COPPER	ug/l	1000	309
	LEAD	ug/l	10	55.3
	NICKEL	ug/l	100	204
	SILVER	ug/l	NS	1.5B
	THALLIUM	ug/l	10	15.6B
	ZINC	ug/l	5000	1530

GW-N8-1 (37-40 ft. bgs)				5/1/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	THALLIUM	ug/l	10	8.9B

GW-N9-1 (15-18 ft. bgs)				5/1/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	14.1B

GW-N9-1 (32-35 ft. bgs)				5/1/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**2J**
	TOLUENE	ug/l	1000	2J
METALS	CHROMIUM, TOTAL	ug/l	100	11.4B
	COPPER	ug/l	1000	2.9B
	NICKEL	ug/l	100	2.8B
	ZINC	ug/l	5000	29.4

GW-M9-1 (10-13 ft. bgs)				4/27/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ANTIMONY	ug/l	20	9.1B
	ARSENIC	ug/l	8	**11.2J**
	BERYLLIUM	ug/l	20	2.5B
	CHROMIUM, TOTAL	ug/l	100	**735J**
	COPPER	ug/l	1000	201J
	NICKEL	ug/l	100	**208J**
	THALLIUM	ug/l	10	**23.1**
	ZINC	ug/l	5000	704J

GW-M9-1 (30-33 ft. bgs)				4/27/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
	TOLUENE	ug/l	1000	1J
METALS	ANTIMONY	ug/l	20	11.8B
	ARSENIC	ug/l	8	**31.9J**
	BERYLLIUM	ug/l	20	5.7B
	CHROMIUM, TOTAL	ug/l	100	**539J**
	COPPER	ug/l	1000	248J
	LEAD	ug/l	10	**35J**
	NICKEL	ug/l	100	**143J**
	THALLIUM	ug/l	10	**19B**
	ZINC	ug/l	5000	816J

GW-L9-1 (25-28 ft. bgs)				4/27/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	3.7J
	BERYLLIUM	ug/l	20	0.73B
	CHROMIUM, TOTAL	ug/l	100	41.2J
	COPPER	ug/l	1000	23.4J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ug/l	NS	0.49J

GW-L10-1 (18-21 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
METALS	BERYLLIUM	ug/l	20	1.4B
	CHROMIUM, TOTAL	ug/l	100	13.7B
	COPPER	ug/l	1000	26.3

GW-L11-1 (25-28 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
	TOLUENE	ug/l	1000	5J
SVOCS	2,4/2,6-DINITROTOLUENE_SVOCS	ug/l	10	**22000**
	NAPHTHALENE	ug/l	NS	1J
	NITROBENZENE	ug/l	10	4J
METALS	ARSENIC	ug/l	8	**8.5B**
	BERYLLIUM	ug/l	20	1.7B
	CHROMIUM, TOTAL	ug/l	100	67.7
	COPPER	ug/l	1000	34.6
	LEAD	ug/l	10	**15B**
	ZINC	ug/l	5000	156
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	**16140J**
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	1530J
	NITROGLYCERIN	ug/l	NS	690

GW-L11-1 (37-40 ft. bgs)				4/30/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	1J
SVOCS	2,4/2,6-DINITROTOLUENE_SVOCS	ug/l	10	**74**
METALS	BERYLLIUM	ug/l	20	1B
	CHROMIUM, TOTAL	ug/l	100	94.2
	COPPER	ug/l	1000	30.4
	ZINC	ug/l	5000	303
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	**44.3J**

DEVELOPMENT AREA

FINISHING AREA

STORAGE AREA

DUCK POND

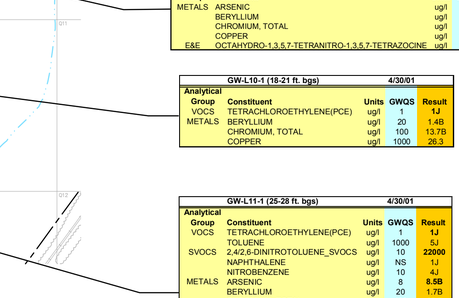
B-LINE AREA

MISCELLANEOUS/ OFFSITE

LEGEND:

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

LOCATION MAP



north

250 0 250 500

SCALE IN FEET
1"=250'

GW - SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

FINISHING, STORAGE, AND B-LINE AREAS GROUNDWATER GWQS POSTINGS MAP

MWH

FIGURE 11

S:\IND PROJECTS\Hercules-1267015\Kenvil\GW SI\GW SI REPORT FINAL\FIGURES\GWSI FIN-06.DWG

GW-AA13-01 (22-25 ft. bgs)				9/16/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	5J
METALS	ARSENIC	ug/l	8	**8.5B**
	BERYLLIUM	ug/l	20	1.9B
	CHROMIUM, TOTAL	ug/l	100	95.8
	COPPER	ug/l	1000	86
	LEAD	ug/l	10	**10.4B**
	MERCURY	ug/l	2	0.095B
	NICKEL	ug/l	100	40.4B
	ZINC	ug/l	5000	491J
E&E	1,3,5-TRINITROBENZENE	ug/l	NS	0.69
	2,4,6-TRINITROTOLUENE	ug/l	NS	11.2
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	2.02
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	2.83

GW-AA13-01 (57-60 ft. bgs)				9/16/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	2,4/2,6-DINITROTOLUENE_SVOC	ug/l	10	1J
	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	BERYLLIUM	ug/l	20	3.4B
	CHROMIUM, TOTAL	ug/l	100	**303**
	COPPER	ug/l	1000	167
	LEAD	ug/l	10	**20.1**
	MERCURY	ug/l	2	0.097B
	NICKEL	ug/l	100	**112**
	THALLIUM	ug/l	10	**14B**
	ZINC	ug/l	5000	1450J
E&E	1,3,5-TRINITROBENZENE	ug/l	NS	2.47
	2,4,6-TRINITROTOLUENE	ug/l	NS	124
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	17.2
	3-NITROTOLUENE	ug/l	NS	0.61
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	20.6

GW-A14-01 (22-25 ft. bgs)				9/17/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	BERYLLIUM	ug/l	20	1B
	CHROMIUM, TOTAL	ug/l	100	49.5
	COPPER	ug/l	1000	40.7
	NICKEL	ug/l	100	22.5B
	ZINC	ug/l	5000	258J
E&E	2,4,6-TRINITROTOLUENE	ug/l	NS	1.76
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	2.71
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	4.04

GW-A14-01 (57-60 ft. bgs)				9/16/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TOLUENE	ug/l	1000	0.7J
	XYLENES, TOTAL	ug/l	40	0.8J
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	9J
	DIETHYL PHTHALATE	ug/l	5000	6J
METALS	ARSENIC	ug/l	8	5B
	CADMIUM	ug/l	4	1.8B
	CHROMIUM, TOTAL	ug/l	100	10.1B
	NICKEL	ug/l	100	**411**
	SELENIUM	ug/l	50	20.4
	THALLIUM	ug/l	10	**58.4**
	ZINC	ug/l	5000	2800J

GW-A14-02 (22-25 ft. bgs)				9/17/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	16
METALS	ZINC	ug/l	5000	29.6J
E&E	1,3,5-TRINITROBENZENE	ug/l	NS	1.61
	2,4,6-TRINITROTOLUENE	ug/l	NS	12.1
	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	0.41J
	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	2.38
	4-AMINO-2,6-DINITROTOLUENE	ug/l	NS	1.47

GW-A14-02 (57-60 ft. bgs)				9/17/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	5.2B
	BERYLLIUM	ug/l	20	2.2B
	CHROMIUM, TOTAL	ug/l	100	**266**
	COPPER	ug/l	1000	167
	LEAD	ug/l	10	**12B**
	NICKEL	ug/l	100	73.5
	THALLIUM	ug/l	10	**19.4B**
	ZINC	ug/l	5000	609J

GW-A15-01 (22-25 ft. bgs)				9/17/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	1J
METALS	ARSENIC	ug/l	8	6.4B
	BERYLLIUM	ug/l	20	1.3B
	CHROMIUM, TOTAL	ug/l	100	95.9
	COPPER	ug/l	1000	70.6
	LEAD	ug/l	10	9.9B
	NICKEL	ug/l	100	35.4B
	ZINC	ug/l	5000	253J

GW-A15-01 (57-60 ft. bgs)				9/17/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	7.7B
	BERYLLIUM	ug/l	20	2.4B
	CHROMIUM, TOTAL	ug/l	100	**169**
	COPPER	ug/l	1000	142
	NICKEL	ug/l	100	81.8
	THALLIUM	ug/l	10	**23.3**
	ZINC	ug/l	5000	778J

GW-D16-1 (22-25 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**24.3**
	BERYLLIUM	ug/l	20	7.5B
	CHROMIUM, TOTAL	ug/l	100	**389**
	COPPER	ug/l	1000	422
	NICKEL	ug/l	100	**219**
	SELENIUM	ug/l	50	10B
	ZINC	ug/l	5000	2000

GW-D16-1 (57-60 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**160**
METALS	ARSENIC	ug/l	8	**72.6**
	BERYLLIUM	ug/l	20	18.2B
	CHROMIUM, TOTAL	ug/l	100	**837**
	COPPER	ug/l	1000	686
	LEAD	ug/l	10	**124**
	MERCURY	ug/l	2	1.1B
	NICKEL	ug/l	100	**757**
	ZINC	ug/l	5000	4710

GW-F14-01 (22-25 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	1/30/00	2J
METALS	BERYLLIUM	ug/l	20	0.6B
	CHROMIUM, TOTAL	ug/l	100	57.6J
	COPPER	ug/l	1000	45.8J
	LEAD	ug/l	10	**11.7B**
	NICKEL	ug/l	100	24.4J
	ZINC	ug/l	5000	151EN
E&E	PERCHLORATE	ug/l	NS	5

GW-F14-01 (57-60 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	6.8B
	BERYLLIUM	ug/l	20	1.2B
	CHROMIUM, TOTAL	ug/l	100	70.8J
	COPPER	ug/l	1000	99.5J
	LEAD	ug/l	10	**11.2B**
	NICKEL	ug/l	100	27J
	ZINC	ug/l	5000	154EN

GW-F15-02 (22-25 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**32**
METALS	BERYLLIUM	ug/l	20	0.53B
	CHROMIUM, TOTAL	ug/l	100	79.4J
	COPPER	ug/l	1000	44.4J
	LEAD	ug/l	10	**11.6B**
	NICKEL	ug/l	100	28.9J
	ZINC	ug/l	5000	238EN

GW-F15-02 (57-60 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	16J
METALS	ARSENIC	ug/l	8	**124**
	BERYLLIUM	ug/l	20	**26.9B**
	CHROMIUM, TOTAL	ug/l	100	**663J**
	COPPER	ug/l	1000	906J
	LEAD	ug/l	10	**178**
	MERCURY	ug/l	2	1.8B
	NICKEL	ug/l	100	**515J**
	SELENIUM	ug/l	50	45B
	ZINC	ug/l	5000	3100EN

GW-F15-01 (22-25 ft. bgs)				9/23/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	7J
METALS	ARSENIC	ug/l	8	**8.8B**
	BERYLLIUM	ug/l	20	1.1B
	CHROMIUM, TOTAL	ug/l	100	**109J**
	COPPER	ug/l	1000	68.7J
	LEAD	ug/l	10	**17.2B**
	NICKEL	ug/l	100	39.4J
	ZINC	ug/l	5000	304EN
E&E	PERCHLORATE	ug/l	NS	89

GW-F15-01 (57-60 ft. bgs)				9/23/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**130**
	DI-n-OCTYLPHTHALATE	ug/l	100	5J
METALS	ARSENIC	ug/l	8	**155**
	BERYLLIUM	ug/l	20	**30.6B**
	CHROMIUM, TOTAL	ug/l	100	**586J**
	COPPER	ug/l	1000	844J
	LEAD	ug/l	10	**195**
	MERCURY	ug/l	2	1.9B
	NICKEL	ug/l	100	**456J**
	THALLIUM	ug/l	10	**93.7B**
	ZINC	ug/l	5000	2030EN

GW-G14-1 (17-20 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**220J**
	PHENANTHRENE	ug/l	NS	5J
METALS	ARSENIC	ug/l	8	**28.4J**
	BERYLLIUM	ug/l	20	5.5B
	CADMIUM	ug/l	4	2.9BN
	CHROMIUM, TOTAL	ug/l	100	**352J**
	COPPER	ug/l	1000	181J
	LEAD	ug/l	10	**91.5**
	NICKEL	ug/l	100	**162J**
	SELENIUM	ug/l	50	6.1B
	ZINC	ug/l	5000	987J

GW-G14-1 (57-60 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	5J
METALS	ARSENIC	ug/l	8	**23.2J**
	BERYLLIUM	ug/l	20	5.9B
	CHROMIUM, TOTAL	ug/l	100	**287J**
	COPPER	ug/l	1000	196J
	LEAD	ug/l	10	**62**
	NICKEL	ug/l	100	**157J**
	SELENIUM	ug/l	50	9.4B
	THALLIUM	ug/l	10	9B
	ZINC	ug/l	5000	1670J

GW-G13-1 (17-20 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	3J
METALS	ARSENIC	ug/l	8	**19.7**
	BERYLLIUM	ug/l	20	1.8B
	CHROMIUM, TOTAL	ug/l	100	99.7
	COPPER	ug/l	1000	111
	NICKEL	ug/l	100	60.3
	ZINC	ug/l	5000	344

GW-G13-1 (57-60 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	5J
METALS	ARSENIC	ug/l	8	**80.5**
	BERYLLIUM	ug/l	20	13.9B
	CHROMIUM, TOTAL	ug/l	100	**1200**
	COPPER	ug/l	1000	954
	MERCURY	ug/l	2	0.28B
	NICKEL	ug/l	100	**838**
	ZINC	ug/l	5000	**10500**

GW-G14-3 (17-20 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	8J
METALS	ARSENIC	ug/l	8	**35.8**
	BERYLLIUM	ug/l	20	4.7B
	CHROMIUM, TOTAL	ug/l	100	**238**
	COPPER	ug/l	1000	254
	NICKEL	ug/l	100	**135**
	SELENIUM	ug/l	50	8.2B
	ZINC	ug/l	5000	862

GW-G14-3 (57-60 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
	ISOPHORONE	ug/l	100	7J
METALS	ARSENIC	ug/l	8	**31.5**
	BERYLLIUM	ug/l	20	6.1B
	CHROMIUM, TOTAL	ug/l	100	**841**
	COPPER	ug/l	1000	579
	NICKEL	ug/l	100	**453**
	SELENIUM	ug/l	50	12
	THALLIUM	ug/l	10	**16.3B**
	ZINC	ug/l	5000	1740

GW-O13-1 (27-30 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	3J
METALS	BERYLLIUM	ug/l	20	3.5B
	CHROMIUM, TOTAL	ug/l	100	**133**
	COPPER	ug/l	1000	90.3
	MERCURY	ug/l	2	0.15B
	NICKEL	ug/l	100	41.2B
	ZINC	ug/l	5000	481

GW-O13-1 (57-60 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TRICHLOROETHYLENE (TCE)	ug/l	1	**1J**
METALS	ARSENIC	ug/l	8	**13.7**
	BERYLLIUM	ug/l	20	4.5B
	CHROMIUM, TOTAL	ug/l	100	**249**
	COPPER	ug/l	1000	150
	MERCURY	ug/l	2	0.03B
	NICKEL	ug/l	100	75.4
	SELENIUM	ug/l	50	5.3B
	ZINC	ug/l	5000	484

GW-B15-01 (22-25 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	cis-1,2-DICHLOROETHYLENE	ug/l	10	**11**
	TETRACHLOROETHYLENE(PCE)	ug/l	1	**6**
	TRICHLOROETHYLENE (TCE)	ug/l	1	**2J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	25

GW-B15-01 (57-60 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	cis-1,2-DICHLOROETHYLENE	ug/l	10	0.9J
	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	15
METALS	ARSENIC	ug/l	8	**14**
	BERYLLIUM	ug/l	20	2.9B
	CHROMIUM, TOTAL	ug/l	100	**425**
	COPPER	ug/l	1000	305
	LEAD	ug/l	10	**20.7**
	MERCURY	ug/l	2	0.09B
	NICKEL	ug/l	100	**185**
	THALLIUM	ug/l	10	**14.6B**
	ZINC	ug/l	5000	2320J

GW-B15-02 (22-25 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
METALS	CHROMIUM, TOTAL	ug/l	100	42.4
	COPPER	ug/l	1000	31.2
	MERCURY	ug/l	2	0.082B
	NICKEL	ug/l	100	20.6B
	ZINC	ug/l	5000	162J
E&E	2-AMINO-4,6-DINITROTOLUENE	ug/l	NS	0.22J

GW-B15-02 (57-60 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**9.4B**
	BERYLLIUM	ug/l	20	2.9B
	CHROMIUM, TOTAL	ug/l	100	**369**
	COPPER	ug/l	1000	186
	LEAD	ug/l	10	**14.7B**
	NICKEL	ug/l	100	**120**
	THALLIUM	ug/l	10	**10.4B**
	ZINC	ug/l	5000	1150J

GW-C16-01 (22-25 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	cis-1,2-DICHLOROETHYLENE	ug/l	10	2J
	TETRACHLOROETHYLENE(PCE)	ug/l	1	**3J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	9J
METALS	CHROMIUM, TOTAL	ug/l	100	7.8B
	COPPER	ug/l	1000	21.7B
	ZINC	ug/l	5000	69.8J

GW-C16-01 (57-60 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	BERYLLIUM	ug/l	20	2.1B
	CHROMIUM, TOTAL	ug/l	100	**172**
	COPPER	ug/l	1000	113
	NICKEL	ug/l	100	77.4
	ZINC	ug/l	5000	734J

GW-C16-02 (22-25 ft. bgs)				9/19/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	19.6B
	COPPER	ug/l	1000	22.5B
	NICKEL	ug/l	100	11.7B
	ZINC	ug/l	5000	82.3J

GW-C16-02 (57-60 ft. bgs)				9/18/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ARSENIC	ug/l	8	**11.3**
	BERYLLIUM	ug/l	20	4.4B
	CHROMIUM, TOTAL	ug/l	100	55.2
	COPPER	ug/l	1000	97.1
	NICKEL	ug/l	100	**124**
	SELENIUM	ug/l	50	8.4B
	THALLIUM	ug/l	10	**20**
	ZINC	ug/l	5000	757J

GW-D16-02 (22-25 ft. bgs)				9/19/02
Analytical Group	Constituent	Units	GWQS	Result
VOCS	cis-1,2-DICHLOROETHYLENE	ug/l	10	0.9J
	TETRACHLOROETHYLENE(PCE)	ug/l	1	**1J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ARSENIC	ug/l	8	5.9B
	BERYLLIUM	ug/l	20	1.2B
	CHROMIUM, TOTAL	ug/l	100	99.5J
	COPPER	ug/l	1000	61J
	LEAD	ug/l	10	**13.8B**
	NICKEL	ug/l	100	31.5J
	ZINC	ug/l	5000	244EN

GW-D16-02 (57-60 ft. bgs)				9/19/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ARSENIC	ug/l	8	**17.2**
	BERYLLIUM	ug/l	20	4.4B
	CHROMIUM, TOTAL	ug/l	100	**423J**
	COPPER	ug/l	1000	276J
	LEAD	ug/l	10	**35.4**
	NICKEL	ug/l	100	**168J**
	SELENIUM	ug/l	50	8.1B
	ZINC	ug/l	5000	2000EN

GW-E16-02 (22-25 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	7J
METALS	CHROMIUM, TOTAL	ug/l	100	2J
	NICKEL	ug/l	100	1.9J

GW-E16-02 (57-60 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	24
METALS	ARSENIC	ug/l	8	**50.3**
	BERYLLIUM	ug/l	20	7.5B
	CHROMIUM, TOTAL	ug/l	100	**615J**
	COPPER	ug/l	1000	350J
	LEAD	ug/l	10	**76.4**
	NICKEL	ug/l	100	**204J**
	SELENIUM	ug/l	50	25.9
	THALLIUM	ug/l	10	**19.6B**
	ZINC	ug/l	5000	1490J
E&E	PERCHLORATE	ug/l	NS	5.7

GW-E16-03 (22-25 ft. bgs)				9/19/02
Analytical Group	Constituent	Units	GWQS	Result
METALS	CHROMIUM, TOTAL	ug/l	100	11.8J
	COPPER	ug/l	1000	9.3J
	NICKEL	ug/l	100	4J
	ZINC	ug/l	5000	51.3EN

GW-E16-03 (57-60 ft. bgs)				9/20/02
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	2J
METALS	ARSENIC	ug/l	8	**16.4**
	BERYLLIUM	ug/l	20	4.7B
	CHROMIUM, TOTAL	ug/l	100	**305J**
	COPPER	ug/l	1000	212J
	LEAD	ug/l	10	**27.5**
	NICKEL	ug/l	100	82.9J
	SELENIUM	ug/l	50	5.5B
	ZINC	ug/l	5000	699EN

GW-E16-1 (17-20 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TETRACHLOROETHYLENE(PCE)	ug/l	1	**2J**
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	4J
	NITROBENZENE	ug/l	10	4J
METALS	ARSENIC	ug/l	8	**10.2**
	BERYLLIUM	ug/l	20	3B
	CHROMIUM, TOTAL	ug/l	100	**165**
	COPPER	ug/l	1000	144
	MERCURY	ug/l	2	0.15B
	NICKEL	ug/l	100	64
	ZINC	ug/l	5000	670
E&E	2,4/2,6-DINITROTOLUENE_E&E	ug/l	10	0.26J
	2-NITROTOLUENE	ug/l	NS	0.51J
	4-NITROTOLUENE	ug/l	NS	0.5J
	NITROBENZENE	ug/l	10	0.5J

GW-E16-1 (57-60 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**240**
	BERYLLIUM	ug/l	20	**56.5**
	CHROMIUM, TOTAL	ug/l	100	**2580**
	COPPER	ug/l	1000	**2130**
	LEAD	ug/l	10	**343**
	MERCURY	ug/l	2	0.75B
	NICKEL	ug/l	100	**1000**
	SELENIUM	ug/l	50	**85.8**
	THALLIUM	ug/l	10	**59.5B**
	ZINC	ug/l	5000	**6480**

GW-H14-1 (17-20 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	**57J**
	NAPHTHALENE	ug/l	NS	1J
METALS	ARSENIC	ug/l	8	7.6B
	CHROMIUM, TOTAL	ug/l	100	42.5
	COPPER	ug/l	1000	46
	NICKEL	ug/l	100	28.5B
	ZINC	ug/l	5000	409

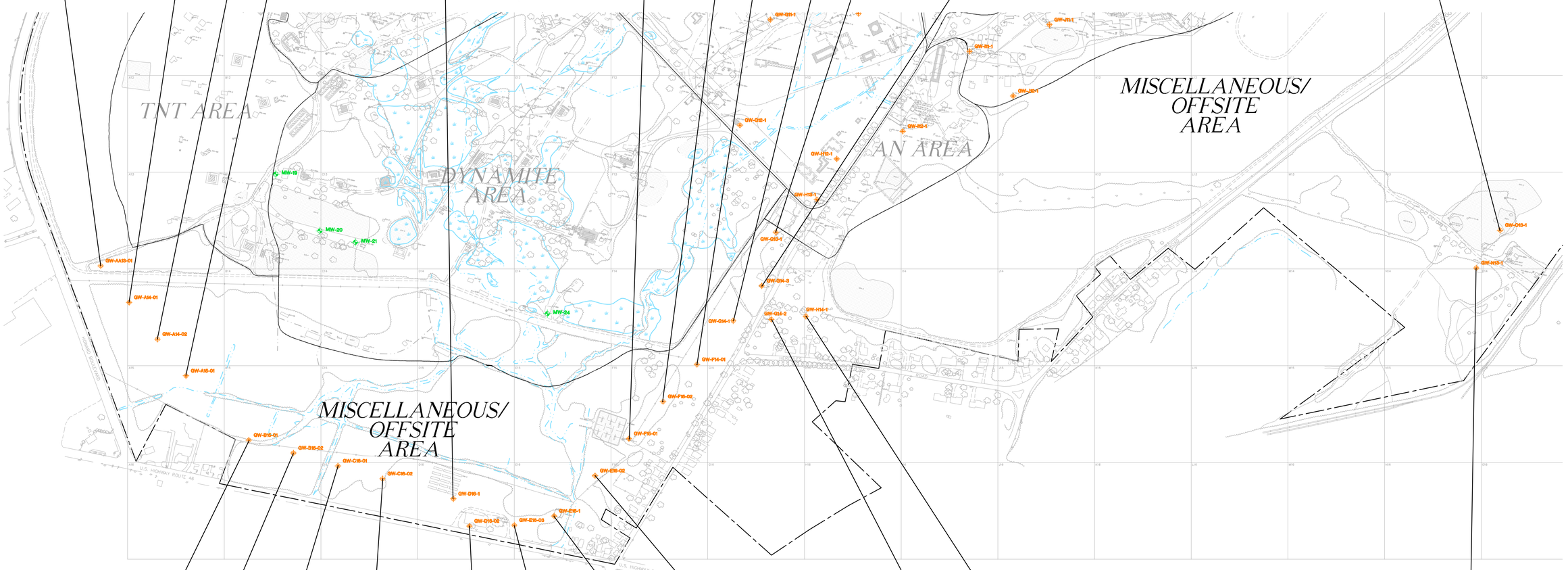
GW-H14-1 (36-39 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	6J
METALS	ARSENIC	ug/l	8	**43.2B**
	BERYLLIUM	ug/l	20	12.2B
	CADMIUM	ug/l	4	**14.5B**
	CHROMIUM, TOTAL	ug/l	100	**1300**
	COPPER	ug/l	1000	733
	LEAD	ug/l	10	**48.9B**
	NICKEL	ug/l	100	**530**
	ZINC	ug/l	5000	**5440**

GW-G14-2 (17-20 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	6.4B
	CHROMIUM, TOTAL	ug/l	100	10.5B
	COPPER	ug/l	1000	19.2B
	NICKEL	ug/l	100	9.7B
	ZINC	ug/l	5000	71.1

GW-G14-2 (57-60 ft. bgs)				4/18/01
Analytical Group	Constituent	Units	GWQS	Result
METALS	ARSENIC	ug/l	8	**12.8**
	BERYLLIUM	ug/l	20	5B
	CHROMIUM, TOTAL	ug/l	100	**551**
	COPPER	ug/l	1000	314
	NICKEL	ug/l	100	**237**
	SELENIUM	ug/l	50	6.4B
	ZINC	ug/l	5000	1780

GW-N13-1 (22-25 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE	ug/l	30	10
METALS	ARSENIC	ug/l	8	**9.9B**
	BERYLLIUM	ug/l	20	1.8B
	CHROMIUM, TOTAL	ug/l	100	**145**
	COPPER	ug/l	1000	81.6
	MERCURY	ug/l	2	0.034B
	NICKEL	ug/l	100	54
	ZINC	ug/l	5000	389

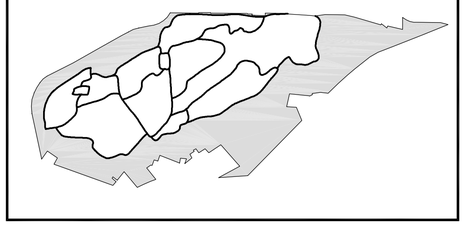
GW-N13-1 (57-60 ft. bgs)				4/19/01
Analytical Group	Constituent	Units	GWQS	Result
VOCS	TRICHLOROETHYLENE (TCE)	ug/l	1	**2J**
METALS	ARSENIC	ug/l	8	**12.7**
	BERYLLIUM	ug/l	20	2.6B
	CHROMIUM, TOTAL	ug/l	100	**380**
	COPPER	ug/l	1000	191
	MERCURY	ug/l	2	0.069B
	NICKEL	ug/l	100	**114**
	SELENIUM	ug/l	50	4.4B
	ZINC	ug/l	5000	1430



LEGEND:

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

LOCATION MAP



north

300 0 300 600

SCALE IN FEET
1" = 300'

GW - SI REPORT
HERCULES INCORPORATED
KENVIL WORKS FACILITY

MISCELLANEOUS/OFFSITE AREA GROUNDWATER GWQS POSTINGS MAP

MWH

FIGURE 12

Appendix A
Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

Client: Hercules
Site: Kenvil
Well Number: MW-19
Job Number: 2110819.011601

Total Depth (ft): 24.05
Well Diameter: 4"
Borehole Diameter: ____

Min. number well vol to be purged: 3-5
Vol. Per ft. casing (gal): 0.65
Samples collected: 1445

Date: 8/22/02
Static water level (ft): 14.4
Standing water column (ft): 9.65

Amt. one well vol. (gal): 6.3
Total gal. To be purged: 18.9-31.5

Development method
Presampling purging method: submarsible pump
Sampling method: teflon bailer

All measurements taken from: ____ Top of casing, X Protective casing, ____ Ground level

TIME	AMOUNT PURGED (gal)	FIELD PARAMETERS MEASURED: EC	pH	TEMP (oC)	TURBIDITY (NTU)	DO	ORP	COMMENTS	FIELD TECHNICIAN
1420	0	-	-	-	-	-			CW
1422	6.3	0.139	6.74	16.9	188	12.79			
1431	12.6	0.152	6.74	13.7	429	15.06			
1433	18.9	0.158	6.73	13.7	349	14.57			
1435	25.2	0.152	6.72	13.9	420	14.42			
1439	31.5	0.156	6.75	13.3	142	14.28			

GROUNDWATER SAMPLING LOG

Client: Hercules
Site: Kenvil
Well Number: MW-21
Job Number: 211081 9.011601

Total Depth (ft): 20.1
Well Diameter: 4"
Borehole Diameter: ____

Min. number well vol to be purged: 3-5
Vol. Per ft. casing (gal): 0.65
Samples collected: 1000

Date: 8/22/02
Static water level (ft): 10.65
Standing water column (ft): 9.45

Amt. one well vol. (gal): 6.1
Total gal. To be purged: 18.3-30.5

Development method
Presampling purging method: submersible pump
Sampling method: teflon bailer

All measurements taken from: ____ Top of casing, X Protective casing, ____ Ground level

TIME	AMOUNT PURGED (gal)	FIELD PARAMETERS MEASURED: EC	pH	TEMP (oC)	TURBIDITY (NTU)	DO	ORP	COMMENTS	FIELD TECHNICIAN
0930	0	—	-	—	—	—	-	obstruction in well	CW
0943	6.1	0.19	7.69	16.9	188	10.87			
0945	12.2	0.23	7.43	14.5	181	12.17			
0947	18.3	0.22	7.28	16.5	183	10.93			
0949	24.4	0.24	7.14	14.3	189	12.30			
0950	30.5	0.24	7.08	14.0	189	12.46			

GROUNDWATER SAMPLING LOG

Client: Hercules
Site: Kenvil
Well Number: MW-24
Job Number: 2110819.011601

Total Depth (ft): 15.0
Well Diameter: 4"
Borehole Diameter: ____

Min. number well vol to be purged: 3-5
Vol. Per ft. casing (gal): 0.65
Samples collected: 1640

Date: 8/21/02
Static water level (ft): 5.0
Standing water column (ft): 10

Amt. one well vol. (gal): 6.5
Total gal. To be purged: 19.5 - 32.5

Development method
Presampling purging method: submersible pump
Sampling method: teflon bailer

All measurements taken from: ____ Top of casing, X Protective casing, ____ Ground level

TIME	AMOUNT PURGED (gal)	FIELD PARAMETERS MEASURED: EC	pH	TEMP (oC)	TURBIDITY (NTU)	DO	ORP	COMMENTS	FIELD TECHNICIAN
1615	0	-	-	-	-	-	-		CW
1620	6.5	0.58	7.23	15.5	353	15.10			
1623	13	0.57	7.32	14.7	278	15.40			
1626	19.5	0.57	7.40	14.7	211	15.13			
1629	26	0.56	7.45	14.0	196	15.46			

GROUNDWATER SAMPLING LOG

Client: Hercules
Site: Kenvil
Well Number: MW-25
Job Number: 2110819.011601

Total Depth (ft): 20.9
Well Diameter: 4"
Borehole Diameter: ____

Min. number well vol to be purged: 3-5
Vol. Per ft. casing (gal): 0.65
Samples collected: 0835

Date: 8/22/02
Static water level (ft): 10.3
Standing water column (ft): 10.6

Amt. one well vol. (gal): 6.89
Total gal. To be purged: 20.7 - 34.5

Development method
Presampling purging method: submersible pump
Sampling method: teflon bailer

All measurements taken from: ____ Top of casing, X Protective casing, ____ Ground level

		FIELD PARAMETERS MEASURED							
TIME	AMOUNT PURGED (gal)	EC	pH	TEMP (oC)	TURBIDITY (NTU)	DO	ORP	COMMENTS	FIELD TECHNICIAN
0826	0	-	-	-	-	-	-		CW
0829	6.89	0.199	8.06	15.4	185	10.94			↓
0831	-	-	-	-	-	-	-	DRY	↓

GROUNDWATER SAMPLING LOG

Client: Hercules
Site: Kenvil
Well Number: MW-20
Job Number: 211081 9.011601

Total Depth (ft): 20.60
Well Diameter: 4"
Borehole Diameter: ____

Min. number well vol to be purged: 3-5
Vol. Per ft. casing (gal): 0.65
Samples collected: 1330

Date: 8/22/02
Static water level (ft): 9.70
Standing water column (ft): 10.9

Amt. one well vol. (gal): 7
Total gal. To be purged: 21-35 gal

Development method
Presampling purging method: submersible pump
Sampling method: teflon bailer

All measurements taken from: ____ Top of casing, X Protective casing, ____ Ground level

TIME	AMOUNT PURGED (gal)	FIELD PARAMETERS MEASURED: EC	pH	TEMP (oC)	TURBIDITY (NTU)	DO	ORP	COMMENTS	FIELD TECHNICIAN
1300	0	-	-	-	-	-	-		CW
1303	7	0.148	7.50	14.9	202	13.89			
1306	14	0.149	7.31	14.4	922	13.95			
1309	21	0.149	7.12	14.2	285	13.82			
1312	28	0.150	6.99	14.0	142	13.69			
1315	35	0.148	6.87	13.8	112	13.64			

Appendix B
Data Validation Report

This text is a summary of items that required qualification as a result of data validation of the Kenvil data.

Overall notes: For the volatiles analysis, a TIC search was performed for the detection of dimethyl ether, and for the SVOCs for dinitroglycol. Reporting limits were not met for metals for lead in the water matrix, and for antimony, acrolein, benzidine and 2,4-dinitrophenol for the sediment matrix. Data were not qualified due to elevated reporting limits. There were several sample coolers that had temperatures upon receipt at the laboratory less than 4 ± 2 °. Samples were not qualified when the temperature was below the recommended temperature. However, there were samples that were qualified when the temperature exceeded the recommended criteria.

The following methods were used by the laboratory:

Ammonia perchlorate by method 314.10,
DDNP using method 8330,
Metals using method 6010B,
Mercury using method 7470A,
Nitrate-nitrogen using method 353.2,
Ammonia-nitrogen using method 350.2,
Nitroglycerin using method 8332,
Ethers and Alcohols using method 8015B,
Nitroaromatics/Amines using method 8330,
Semivolatile organics using method 8270C,
Volatile organics using method 8260B, and
Pesticides/PCBs using method 8010/8020.

SDG KVL29

Volatiles - Sample SD-C11-4-01(1.5-2) was qualified as estimated due to the weight of the sample exceeding NJ weight criteria. Samples SD-D14-2-01(0.5), SD-K5-2-01(0.5) and SD-K5-4-01(0.5) were qualified as estimated due to poor surrogate recovery. The sediment samples in the SDG were qualified as 'R' for acrolein due to the poor response of the relative response factor in the initial calibration.

Semivolatiles – Samples SD-K5-4-01(0-4), SD-K5-3-01(0-4) and SD-C12-1-01(0-2) were qualified as estimated due to poor surrogate recovery and missed holding times for re-extraction. Compounds associated with the non-conforming internal standard were qualified as estimated in sample SD-F10-2-01(0-1.5). Several sample in the SDG were qualified as estimated for bis(2-chloroisopropyl)ether, n-nitrosodiphenylamine, nitrobenzene, isophorone, benzidine, 1,2-diphenylhydrazine and/or 4-chlorophenyl phenyl ether.

Explosives/ Nitroglycerin – Sample SD-C12-1-01(0-2) was qualified as estimated for 2,4-dinitrotoluene and 2,4,6-trinitrotoluene due to the column percent difference exceeding 25%.

Metals – Sample SD-B13-3-01(0-0.5) was reported on an 'as is' basis due to the sample containing high levels of explosives. All sediment samples in the SDG were qualified as estimated for zinc and antimony due to the laboratory duplicate and LCS recoveries, respectively.

Ethers, Alcohols, TOC and NC - Samples SD-N5-4-01(0-2) and SD-F10-1-01(0-2) were qualified as estimated for TOC due to the matrix spike recovery. Several samples in the SDG were qualified as estimated for NC due to the LCS recovery.

Other Comments – Field blank FB-127-SD/SW contained TOC (0.55 mg/L). Field duplicate precision was not met for pair SD-F10-1-01(0-2) for TOC and n-nitrosodiphenylamine.

SDG KVL27

Volatiles - Sample GW-J7-1(25-28) was qualified as estimated for 2-chlorovinylethyl ether due to the matrix spike recovery.

Semivolatiles – Samples GW-J10-1(57-60), GW-J10-1(25-28), GW-M8-1(15-18), GW-M9-1(30-33), GW-L9-1(25-28), GW-I11-1(57-60), GW-J12-1(52-55) and GW-J12-1(22-25) were qualified as estimated for all compounds due to surrogate recovery and missed holding times for the re-extraction. Sample GW-J7-1(25-28) was qualified as estimated for indeno(1,2,3cd)pyrene, 2,4-dinitrophenol, dibenz(a,h)anthracene and benzo(g,h,i)perylene due to the matrix spike recoveries of these compounds.

Explosives/ Nitroglycerin – Sample GW-K5-1(32-35) was qualified as estimated for RDX and as 'R' for 1,3,5-trinitrobenzene, and sample GW-L9-1(25-28) as estimated for HMX, due to the column percent difference exceedances.

Metals – Sample FB-127-GW was qualified as 'U' for copper due to blank contamination. Several sample in the SDG were qualified as 'U' for cadmium, nickel and zinc due to blank contamination. Sample GW-J7-1(25-28) was qualified as estimated for chromium, copper, nickel and zinc due to the matrix spike recovery. All samples in the SDG were qualified as estimated for arsenic, chromium, copper, lead, nickel and zinc due to the laboratory duplicate exceeding criteria. Several sample in the SDG were qualified as 'U' for lead, cadmium and silver due to the analytes being present in the field blanks.

Ethers, Alcohols, nitrate-N, ammonia-N - The following samples were qualified as estimated for alcohols and ethers due to headspace in the samples: GW-J10-1(57-60), GW-M8-1(57-60), GW-M8-1(15-18), GW-M9-1(30-33), GW-M9-1(10-13), GW-L9-1(25-28), GW-J12-1(52-55) and GW-J12-1(22-25).

Other Comments – Field blank FB-128-GW contained cadmium (2.2 ug/L) and lead (16.7 ug/L). Field blank FB-126-GW contained silver (1.7 ug/L).

SDG KVL31

Metals - Samples SW-F10-1-01(0-0.5) and SW-C12-1-01(0-0.5) were qualified as 'U' for mercury due to blank contamination.

Other Comments – none.

SDG KVL35

NG and NC - Sample SW-E14-1-01(0-1.5) was qualified as estimated for nitrocellulose due to the matrix spike recovery.

Other Comments – none.

SDG KVL36

NC - Sample SW-E11-1-01(0) was qualified as estimated for nitrocellulose due to the matrix spike recovery.

Other Comments – none.

SDG KVL32

Semivolatiles - Sample FB-130-SD/SW was qualified as estimated for bis(2-chloroisopropyl)ether, n-nitroso-di-n-propylamine, nitrobenzene, isophorone, 4-chlorophenyl phenyl ether and 1,2-diphenylhydrazine due to the CCAL recovery of these compounds.

Volatiles - Sample SD-C10-3-01(0.5) was qualified as estimated for all compounds due to sample weight exceeding NJ limits.

Metals - Sample SD-F9-2-01(0-1.5) was qualified as estimated for chromium, zinc and copper due to the matrix spike recovery. Chromium was outside criteria for the laboratory duplicate, which led to qualification of all sediment samples as estimated for chromium. All sediment samples were qualified as estimated for antimony and copper due to the LCS and serial dilution results, respectively.

Explosives - Sample SD-B13-1-01(0-1.5) was qualified as 'R' for 2,4-dinitrotoluene and as estimated for 2-amino-4,6-dinitrotoluene and 2,4,6-trinitrotoluene and sample SD-C11-2-01(0-2) for 2,4-dinitrotoluene and 2,4,6-trinitrotoluene; sample SD-C11-3-01(0-1.5) for 2,4-dinitrotoluene due to the column percent difference exceeding the Region II criteria for the column percent difference. Sample SD-C11-2-01(0-2) was qualified as estimated for nitrobenzene, 2,4,6-trinitrotoluene, 4-amino-2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene, 2,6-dinitrotoluene and 2,4-dinitrotoluene due to the surrogate recovery.

NC, TOC, Alcohols and Ethers - All sediment samples in the SDG were qualified as estimated for nitrocellulose due to the LCS recovery. TOC was qualified as estimated in sample SD-C11-3-01(0-1.5) due to the matrix spike recovery.

Other Comments - Field blank FB-130-SD/SW contained TOC (0.57 mg/L).

SDG KVL36

Volatiles - Sample SW-F10-1-01(0-0.5) was qualified as estimated for 2-chloroethyl vinyl ether due to the matrix spike.

Semivolatiles - Samples analyzed 5/4/01 were qualified as estimated for bis(2-chloroisopropyl)ether, n-nitrosodinpropylamine, nitrobenzene, isophorone, 4-chlorophenyl phenyl ether, 1,2-diphenylhydrazine and benzidine due to the CCAL.

Explosives - No qualification of data.

Metals - Sample SW-F10-1-01(0-0.5) was qualified as 'U' for mercury due to blank contamination.

Alchols and Ethers - No qualification of data.

Other Comments - None.

SDG KVL30

Volatiles - Sample GW-L4-1(12-15) was qualified as estimated for 2-chloroethylvinyl ether due to the matrix spike. Acrolein was qualified as 'R' for samples GW-M6-1(17-20), GW-M6-1(17-20)DUP, GW-L5-1(12-15), GW-M5-1(42-45), GW-M5-1(15-18), GW-M4-1(42-45), GW-M4-1(20-23), FB-131-GW and GW-L4-1(12-15) due to poor recovery of the initial calibration relative response factor (RRF).

Semivolatiles - Several samples were qualified as estimated for bis(2-chloroisopropyl)ether, n-nitroso-di-n-propylamine, nitrobenzene, isophorone, 4-chlorophenyl phenyl ether and 1,2-diphenylhydrazine due to the CCAL recovery.

Explosives - Sample GW-L11-1(37-40) was qualified as 'R' for RDX 2,4,6-trinitrotoluene, 2-amino-4,6-dinitrotoluene and 3-nitrotoluene; sample GW-L11-1(25-28) for 3-nitrotoluene and GW-M4-1(42-45) for RDX due to the column percent difference exceeding the Region II criteria for the column percent difference. Sample GW-L11-1(37-40) was qualified as estimated for 2,4-dinitrotoluene, sample GW-L11-1(25-28) for 2,4-dinitrotoluene and 2-amino-4,6-dinitrotoluene, sample GW-07-1(25-28) for HMX and sample GW-M4-1(20-23) due to the column percent difference exceeding 25%.

Metals - Several samples in the SDG were qualified as 'U' for mercury, cadmium, nickel and zinc due to blank contamination.

Alchols and Ethers - Samples GW-07-1(52-55), GW-M6-1(17-20), GW-M6-1(17-20)DUP, GW-M5-1(42-45) and GW-M5-1(15-18) were qualified as estimated for all compounds due to headspace in the containers upon receipt by the laboratory. Several samples were also qualified as estimated for butyl ether due to the CCAL recovery of the compound.

Other Comments - Field duplicate precision was not met for fluoranthene, pyrene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene and indeno(1,2,3-cd)pyrene for pair GW-M6-1(17-20)/DUP.

SDG KVL34

Volatiles - Samples FB-132-GW, GW-J6-1(10-13), GW-J5-1(15-18), GW-J6-1(37-40), GW-N5-1(33-36), GW-N4-1(42-45)DUP, GW-N4-1(25-28) and GW-N4-1(42-45) were qualified as estimated due to the cooler temperature exceeding the recommended window of 4± 6 °C. Sample GW-J11-1(20-23) was qualified as estimated for 2-chloroethyl vinyl ether due to the matrix spike recovery. Samples GW-J11-1(20-23), GW-I7-1(27-30) and TB 5/3/01 were qualified as 'R' for acrolein due to the relative response factor being <0.05.

Semivolatiles - Sample GW-I6-1(25-28) was qualified as estimated for all compounds due to the surrogate and holding time exceedances for the re-extraction of the sample. Sample GW-H8-1(25-28) was qualified as estimated due to poor surrogate recovery.

Explosives - Sample GW-H8-1(25-28) was qualified as 'R' for HMX due to the column percent difference exceeding the Region II criteria for the column percent difference. Sample GW-H8-1(57-60) was qualified as estimated for RDX and sample GW-H8-1(25-28) for RDX due to the column percent difference exceeding 25%.

Metals - Several samples were analyzed at a dilution due to the interference of yttrium as noted in the case narrative. Samples were not qualified due to elevated limits. Several samples were qualified as 'U' for mercury and cadmium due to blank contamination.

Alchols and Ethers - Samples GW-J11-1(42-45), GW-J11-1(42-45)DUP, GW-I6-1(42-45), GW-I5-1(57-60), GW-I5-1(30-33), GW-H5-1(57-60), GW-H5-1(30-33), GW-H8-1(57-60) and GW-H8-1(25-28) were qualified as estimated due to headspace in the vials upon receipt by the laboratory.

Other Comments - Field duplicate precision was not met for zinc for pair GW-N4-1(42-45)/DUP and for arsenic, beryllium, chromium, copper, lead, nickel, thallium and zinc for pair GW-I7-1(27-30)/DUP.

SDG KVL28

DDNP - All samples were qualified as estimated due to the laboratory failing to spike the LCS and also no recovery in the matrix spikes.

Ammonia Perchlorate - No qualification of the data.

This text is a summary of items that required qualification as a result of data validation of the Kenvil data.

Overall notes: For the volatiles analysis, a TIC search was performed for the detection of dimethyl ether, and for the SVOCs for dinitroglycol. The laboratory notes that azobenzene cannot be distinguished from 1,2-diphenylhydrazine, therefore, the reported results for 1,2-diphenylhydrazine represent a combination of both compounds. For the explosives analysis, the laboratory does not analyzed a laboratory duplicate. Since field duplicates were collected and analyzed, no action was taken due to the lack of laboratory duplicates. Samples were not qualified if the temperature was below the recommended temperature of 4 ± 2° C, but were qualified if the cooler temperature was elevated.

The following methods were used by the laboratory:

Metals using method 6010B,
Mercury using method 7470A,
Nitroglycerin using method 8332,
Ethers and Alcohols using method 8015B,
Nitroaromatics/Amines using method 8330,
Semivolatile organics using method 8270C, and
Volatile organics using method 8260B.

SDG KVL37

Volatiles - Sample MW-21 was qualified as estimated for 2-chloroethylvinyl ether due to no recovery in the matrix spike (MS) and matrix spike duplicate (MSD) samples. The laboratory control sample (LCS) recovery for the compound was acceptable. The cooler temperature was 12°C, resulting in estimated qualification of all compounds for sample MW-24.

Semivolatiles – Compound 2,4-dinitrophenol was not recovered in the MS and MSD, which resulted in estimated qualification of 2,4-dintrophenol in sample MW-21. The cooler temperature was 12°C, resulting in estimated qualification of all compounds for sample MW-24.

Explosives/ Nitroglycerine – Sample MW-24 was qualified as estimated due to the cooler temperature was 12°C. All samples were qualified as estimated for RDX due to the initial calibration percent relative standard deviation (%RSD) exceeding 20%. Sample MW-24 was qualified as estimated for RDX and sample MW-19 for 2,6-dinitrotoluene and 3-nitrotoluene due to the difference in the primary and confirmation columns exceeding 25%.

Metals – Field duplicate precision was not met for pair MW-20/MW-20dup for nickel, thallium and zinc. Data were not qualified due to field duplicate results.

Ethers and Alcohols - Sample MW-24 was qualified as estimated due to the cooler temperature was 12°C.

SDG KVL38

Filtered Metals - Samples MW-24 and MW-21 were qualified 'U' for copper and samples MW-20 and MW-19 as 'U' for nickel due to initial and continuing calibration blank contamination, respectively. Mercury was qualified as estimated in all samples due to low MS and MSD recovery. All samples in the SDG were qualified as estimated for thallium and zinc due to laboratory duplicate precision. Field duplicate precision was not met for thallium for pair MW-20/MW-20dup. Data were not qualified based on field duplicate precision.

SDG KVL39

Volatiles - Compound 2-chloroethylvinyl ether was not recovered in the MS or MSD but was acceptable in the LCS. The laboratory notes a matrix effect. Therefore, 2-chloroethylvinyl ether was qualified as estimated in all samples in the SDG.

Semivolatiles - Compound 2,4-dinitrophenol was qualified as estimated in sample GW-C16-02(22-25) due to zero recovery of the compound in the MS and MSD.

Metals - Total Metals – Field duplicate precision was not met for pair GW-A15-01(57-60)/GW-A15-01(57-60)dup for thallium. Samples GW-A14-01(57-60) and GW-A14-02(22-25) were qualified as 'U' for copper, GW-A14-02(22-25), GW-C16-01(22-25) and GW-B15-01(22-25) for nickel and GW-B15-01(22-25) for zinc due to blank contamination. All samples in the SDG were qualified as estimated for zinc due to the laboratory duplicate relative percent difference (%RPD).

Explosives/ Nitroglycerine – Nitroglycerine was qualified as estimated for all samples due to extraction holding time exceedance.

SDG KVL40

Volatiles - Compound 2-chloroethylvinyl ether was not recovered in the MS or MSD but was acceptable in the LCS. The laboratory notes a matrix effect. Therefore, 2-chloroethylvinyl ether was qualified as estimated in all samples in the SDG.

Semivolatiles – The laboratory re-extracted and reanalyzed sample GW-B15-01(57-60) due to poor surrogate recovery. The re-extraction was conducted outside the recommended holding time. The laboratory reported the initial analysis since the re-extraction did not confirm the initial analysis. The sample was not qualified due to surrogate recovery since the Functional Guidelines allows for one surrogate to be outside control limits for the base/neutral or acid fraction. Compound 2,4-dinitrophenol was qualified as estimated in sample GW-C16-02(22-25) due to zero recovery of the compound in the MS and MSD.

Explosives/ Nitroglycerine – Nitroglycerine was qualified as estimated for all samples due to extraction holding time exceedance.

Total Metals – Field duplicate precision was not met for pair GW-A15-01(57-60)/GW-A15-01(57-60)dup for thallium. Data were not qualified due to field duplicate results. Samples GW-A14-01(57-60) and GW-A14-02(22-25) were qualified as 'U' for copper due to the calibration blank contamination. Samples GW-A14-02(22-25), GW-C16-01(22-25) and GW-B15-01(22-25) were qualified as 'U' for nickel due to preparation blank contamination. Sample GW-B15-01(22-25) was qualified as 'U' for zinc due to preparation blank contamination. All samples were qualified as estimated for zinc due to the laboratory duplicate relative percent difference (%RPD).

Filtered Metals - All samples in the SDG were qualified as estimated for arsenic due to poor recovery of arsenic for the low level check standard. Zinc was qualified as 'U' in samples GW-A15-01(57-60)dup, GW-A15-01(22-25), GW-A15-01(57-60), GW-A14-01(57-60), GW-A14-02(22-25), GSW-C16-01(22-25), GSW-B15-01(22-25), GSW-B15-01(57-60), GSW-B15-02(57-60), GSW-C16-02(57-60), GSW-C16-02(22-25), GSW-C16-02(22-25)MSD due to preparation blank contamination.

Ethers/Alcohols- methanol and ethanol %R were exceeded in the LCSD while the LCS was acceptable. Since methanol and ethanol were not detected in the field samples, data were not qualified.

SDG KVL41

Volatiles - Sample 2-chloroethylvinyl ether was qualified as estimated in sample GW-E16-02(57-60) due to zero percent recovery in the matrix spike and spike duplicate samples. The LCS recovery for the compound was acceptable.

Semivolatiles – The reporting limit was elevated for samples GW-F14-01(57-60), GW-F15-02(57-60), GW-F15-02(22-25), GW-E16-02(22-25), GW-E16-02(57-60) and GW-F15-01(57-60), due to insufficient sample amounts.

Explosives/ Nitroglycerine – The reporting limit for HMX was elevated due to matrix interference. Samples GW-E16-02(57-60), GW-E16-02(22-25), GW-E16-03(57-60), GW-E16-03(22-25), GW-F15-02(22-25),GW-F15-02(57-60), GW-F14-01(22-25), GW-F14-01(57-60), GW-D16-02(57-60), GW-D16-02(22-25) and GW-D16-02(22-25)dup were qualified as estimated for tetryl due to the %RSD exceeding 20%.

Total Metals – All samples were qualified as estimated for chromium, copper, nickel and zinc due to the laboratory noting in the case narrative that these analytes should be considered estimated due to interference, and due to the serial dilution exceeding limits. The reporting limits for samples GW-F15-01(57-60) and GW-F15-02(57-60) were elevated due to the nature of the sample matrix as noted by the laboratory in the case narrative. Antimony,

cadmium and zinc were qualified as estimated in sample GW-E16-02(57-60) due to the low MS, MSD and RPD results. Field duplicate pair GW-D16-02(22-25)/ GW-D16-02(22-25)dup precision was not met for beryllium, chromium, copper and zinc. Field duplicate pair GW-F14-02(22-25)/ GW-F14-02(22-25)dup precision was not met for chromium and zinc.

Ethers/Alcohols- Di-n-propyl ether and di-n-butylether were qualified as estimated in samples GW-F15-01(57-60) and GW-F15-01(22-25) due to the continuing calibration %R exceeding 20%.

SDG KVL42

Filtered Metals - Sample GW-E16-02(57-60) was qualified 'U' for thallium, samples GW-E16-02(57-60)dup, GW-E16-03(22-25) GW-D16-02(22-25) and GW-D16-02(22-25)dup as 'U' for mercury, and GW-E16-03(22-25) and GW-F15-01(57-60) for copper due to blank contamination. Field duplicate precision was not met for nickel, chromium, copper and zinc for pair GW-D16-02(22-25)/GW-D16-02(22-25)dup. Data were not qualified based on field duplicate precision.

HERCULES

Hercules - Kenvil Works Facility
Kenvil, New Jersey

Groundwater Site Investigation

Volume II - Tables

August 2004

MWH

Table 1

On-Site Monitoring Well Information with Groundwater Elevations
GW - SI
Kenvil Works Facility, New Jersey

WELL/PIEZOMETER ID	NJDEP PERMIT NUMBER	TOC ELEVATION (ft. above MSL)	DTW (ft.)	DTB (ft.)	Longitude (Degree/Minute/Second)	Latitude (Degree/Minute/Second)	Groundwater Elevation (July 2002) (ft. above MSL)
MW-1	25-29951-4	764.88	NA	NA	74/37/26.84	40/53/54.31	NA
MW-2	25-29952-2	769.72	44.80	57.20	74/37/17.87	40/53/48.14	724.92
MW-3A	25-30647-2	760.63	6.00	31.60	74/37/50.14	40/53/43.32	754.63
MW-4**	25-30638-3	761.20	DRY	26.80	74/37/39.50	40/53/45.04	NA
MW-5	25-30645-6	779.82	20.00	33.00	74/37/51.00	40/53/48.04	759.82
MW-6	25-30639-1	749.59	23.10	25.90	74/37/27.91	40/53/49.76	726.49
MW-7	25-30640-5	748.09	22.00	28.30	74/37/26.32	40/53/49.70	726.09
MW-8	25-30646-4	759.06	3.60	21.00	74/37/48.34	40/53/45.13	755.46
MW-9	25-30642-1	748.52	23.00	26.60	74/37/25.36	40/53/45.97	725.52
MW-10	25-30641-3	758.80	10.60	24.00	74/37/19.06	40/53/45.40	748.20
MW-11	25-30643-0	747.80	12.30	18.80	74/37/26.58	40/53/39.23	735.50
MW-12**	25-30638-3	744.68	8.80	15.80	74/37/33.51	40/53/49.32	735.88
MW-13* (8P)	25-29947-6	747.30	21.15	21.21	74/37/24.05	40/53/30.54	726.15
MW-14* (10P)	25-29949-2	743.57	DRY	14.60	74/37/56.35	40/53/30.04	NA
MW-15	25-30630-8	742.32	16.75	22.60	74/37/52.31	40/53/30.00	725.57
MW-16 (11P)	25-30834-3	738.87	13.95	18.35	74/38/03.08	40/53/27.74	724.92
MW-17	25-30629-4	738.93	13.60	20.50	74/37/59.39	40/53/28.29	725.33
MW-18	25-30631-6	739.32	14.91	18.95	74/37/43.60	40/53/16.91	724.41
MW-19	25-30648-1	730.47	14.00	24.15	74/38/28.99	40/53/00.88	716.47
MW-20	25-30649-9	725.41	8.40	20.75	74/38/25.23	40/52/58.56	717.01
MW-21	25-30650-2	726.39	9.35	21.50	74/38/22.73	40/52/58.41	717.04
MW-22 (12P)	25-29950-6	736.05	DRY	11.80	74/37/56.90	40/53/19.04	NA
MW-23	25-30651-1	726.48	6.75	13.45	74/37/57.38	40/53/02.82	719.73
MW-24	25-30652-9	720.14	4.80	15.00	74/38/09.05	40/52/57.08	715.34
MW-25	25-30653-7	730.94	9.38	21.00	74/38/09.24	40/53/13.69	721.56

Table 1

On-Site Monitoring Well Information with Groundwater Elevations
GW - SI
Kenvil Works Facility, New Jersey

WELL/PIEZOMETER ID	NJDEP PERMIT NUMBER	TOC ELEVATION (ft. above MSL)	DTW (ft.)	DTB (ft.)	Longitude (Degree/Minute/Second)	Latitude (Degree/Minute/Second)	Groundwater Elevation (July 2002) (ft. above MSL)
MW-26	25-30644-8	749.31	23.71	25.63	74/37/28.59	40/53/33.96	725.60
OB-1	25-33240-6	791.74	DRY	70.05	74/37/00.82	40/53/51.83	NA
OB-2	25-33241-4	763.66	39.00	44.00	74/37/02.37	40/53/47.87	724.66
OB-3	25-33242-2	765.92	15.30	16.70	74/37/07.46	40/53/47.50	750.62
J1	25-30632-4	734.09	10.87	13.05	74/37/55.70	40/53/16.08	723.22
J2	25-30633-2	736.32	12.25	18.05	74/37/58.26	40/53/16.17	724.07
J3	25-30634-1	741.08	NA	NA	74/37/46.26	40/53/11.11	NA
J4	25-30635-9	733.00	NA	NA	74/37/51.25	40/53/10.73	NA
J5	25-30636-7	733.34	NA	NA	74/37/50.80	40/53/12.34	NA
7P	25-29946	748.76	22.20	23.00	74/38/01.32	40/53/39.31	726.56
4P	25-29943	747.71	DRY	21.00	74/37/22.60	40/53/40.13	NA
5P	25-29944	750.60	23.90	24.45	74/37/32.85	40/53/36.11	726.70
B-1	NA	NA	DRY	15.00	NA	NA	NA
6P	25-29945	756.44	NA	NA	74/37/38.51	40/53/38.91	NA
9P	25-29948	741.06	NA	NA	74/37/37.80	40/53/18.91	NA

TOC = Top of casing; all measurements taken from top of casing of monitoring well
DTW = Depth to water
DTB = Depth to bottom of monitoring well
DTB and DTW measurements taken on July 24, 2002
MSL = Mean Sea Level
* = Well designated as MW-X and XP
** = Well MW-4 and MW-12 both have the same permit number labeled on the monitoring wells. It is unclear which is correct.
NA = Not Available

Table 2

Analytical Sampling Requirements
GW - SI
Kenvil Works Facility, New Jersey

Media To Be Sampled	Number of Analytical Samples Per Location	PPL VOC + 15	Ether	PPL SVOC + 25	PPL Metals (Total/Dissolved)	PCBs	E&E (8330)	NG	PETN	AN/Nitrate	Diazo	AP
Groundwater	2	2	*	2	2	*	2	2	*	*	*	*

Notes:

E&E = Explosives and Energetics

NG = Nitroglycerin

PPL Metals = Proirity Pollutant List Metals (Total/Dissolved)

PPL SVOC = Priority Pollutant List Semi-Volatile Organic Constituents

PPL VOC = Priority Pollutant List Volatile Organic Constituents

PCBs = Polychlorinated Biphenyls

PETN = Pentaerythritol Tetranitrate

AN = Ammonia Nitrate

Diazo = Diazodinitrophenol

AP = Ammonia Perchlorate

* = To be analyzed for in areas of known contamination or based on historical operations

Table 3

List of Constituents per Analytical Group
GW - SI
Kenvil Works Facility, New Jersey

Analytical Group	Analytical Method	Chem Code	Constituent
Priority Pollutant List Volatile Organic Constituents + 15 (PPL VOCs)			
	SW8260B	TCA111	1,1,1-TRICHLOROETHANE
	SW8260B	PCA	1,1,2,2-TETRACHLOROETHANE
	SW8260B	TCA112	1,1,2-TRICHLOROETHANE
	SW8260B	DCA11	1,1-DICHLOROETHANE
	SW8260B	DCE11	1,1-DICHLOROETHENE
	SW8260B	DCA12	1,2-DICHLOROETHANE
	SW8260B	DCPA12	1,2-DICHLOROPROPANE
	SW8260B	CEVETH	2-CHLOROETHYL VINYL ETHER
	SW8260B	ACRL	ACROLEIN
	SW8260B	ACRN	ACRYLONITRILE
	SW8015B	PEOH	AMYL ALCOHOL
	SW8260B	BZ	BENZENE
	SW8260B	BDCME	BROMODICHLOROMETHANE
	SW8260B	TBME	BROMOFORM
	SW8260B	BRME	BROMOMETHANE
	SW8260B	CTCL	CARBON TETRACHLORIDE
	SW8260B	CLBZ	CHLOROBENZENE
	SW8260B	CLEA	CHLOROETHANE
	SW8260B	TCLME	CHLOROFORM
	SW8260B	CLME	CHLOROMETHANE
	SW8260B	DCE12C	cis-1,2-DICHLOROETHYLENE
	SW8260B	DCP13C	cis-1,3-DICHLOROPROPENE
	SW8260B	DBCME	DIBROMOCHLOROMETHANE
	SW8015B	EE	DIETHYL ETHER (ETHYL ETHER)
	SW8015B	PRE	Di-n-propyl ether (1,1'-oxybis-Propane)
	SW8015B	ETHANOL	ETHANOL
	SW8260B	EBZ	ETHYLBENZENE
	SW8015B	MEOH	METHANOL
	SW8260B	MTLNCL	METHYLENE CHLORIDE
	SW8015B	BTE	n-BUTYL ETHER
	SW8260B	PCE	TETRACHLOROETHYLENE(PCE)
	SW8260B	BZME	TOLUENE
	SW8260B	DCE12T	trans-1,2-DICHLOROETHENE
	SW8260B	DCP13T	trans-1,3-DICHLOROPROPENE
	SW8260B	TCE	TRICHLOROETHYLENE (TCE)
	SW8260B	FC11	TRICHLOROFLUOROMETHANE
	SW8260B	VC	VINYL CHLORIDE
	SW8260B	XYLENES	XYLENES, TOTAL

Table 3

List of Constituents per Analytical Group
GW - SI
Kenvil Works Facility, New Jersey

Analytical Group	Analytical Method	Chem Code	Constituent
Priority Pollutant List Semi-Volatile Organic Constituents + 25 (PPL SVOCs)			
	SW8270C	TCB124	1,2,4-TRICHLOROBENZENE
	SW8270C	DCBZ12	1,2-DICHLOROBENZENE
	SW8270C	DPHY12	1,2-DIPHENYLHYDRAZINE
	SW8270C	DCBZ13	1,3-DICHLOROBENZENE
	SW8270C	DCBZ14	1,4-DICHLOROBENZENE
	SW8270C	TCP246	2,4,6-TRICHLOROPHENOL
	SW8270C	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS
	SW8270C	DCP24	2,4-DICHLOROPHENOL
	SW8270C	DMP24	2,4-DIMETHYLPHENOL
	SW8270C	DNP24	2,4-DINITROPHENOL
	SW8270C	CNPH2	2-CHLORONAPHTHALENE
	SW8270C	CLPH2	2-CHLOROPHENOL
	SW8270C	NTPH2	2-NITROPHENOL
	SW8270C	DBZD33	3,3'-DICHLOROBENZIDINE
	SW8270C	DN46M	4,6-DINITRO-2-METHYLPHENOL
	SW8270C	BPPE4	4-BROMOPHENYL PHENYL ETHER
	SW8270C	C4M3PH	4-CHLORO-3-METHYLPHENOL
	SW8270C	CPPE4	4-CHLOROPHENYL PHENYL ETHER
	SW8270C	NTPH4	4-NITROPHENOL
	SW8270C	ACNP	ACENAPHTHENE
	SW8270C	ACNPY	ACENAPHTHYLENE
	SW8270C	ANTH	ANTHRACENE
	SW8270C	BZD	BENZIDINE
	SW8270C	BZAA	BENZO(a)ANTHRACENE
	SW8270C	BZAP	BENZO(a)PYRENE
	SW8270C	BZBF	BENZO(b)FLUORANTHENE
	SW8270C	BZGHIP	BENZO(g,h,i)PERYLENE
	SW8270C	BZKF	BENZO(k)FLUORANTHENE
	SW8270C	BBP	BENZYL BUTYL PHTHALATE
	SW8270C	BECEM	bis(2-CHLOROETHOXY) METHANE
	SW8270C	BIS2CEE	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)
	SW8270C	BIS2CIE	bis(2-CHLOROISOPROPYL) ETHER
	SW8270C	BIS2EHP	bis(2-ETHYLHEXYL) PHTHALATE
	SW8270C	CHRYSENE	CHRYSENE
	SW8270C	DBAHA	DIBENZ(a,h)ANTHRACENE
	SW8270C	DEPH	DIETHYL PHTHALATE
	SW8270C	DMPH	DIMETHYL PHTHALATE
	SW8270C	DNBP	DI-n-BUTYL PHTHALATE
	SW8270C	DNOP	DI-n-OCTYLPHTHALATE
	SW8270C	FLA	FLUORANTHENE
	SW8270C	FL	FLUORENE
	SW8270C	HCLBZ	HEXACHLOROBENZENE
	SW8270C	HCBU	HEXACHLOROBUTADIENE
	SW8270C	HCCP	HEXACHLOROCYCLOPENTADIENE
	SW8270C	HCLEA	HEXACHLOROETHANE

Table 3

List of Constituents per Analytical Group
GW - SI
Kenvil Works Facility, New Jersey

Analytical Group	Analytical Method	Chem Code	Constituent
Priority Pollutant List Semi-Volatile Organic Constituents + 25 (PPL SVOCs) cont'd			
	SW8270C	INP123	INDENO(1,2,3-c,d)PYRENE
	SW8270C	ISOP	ISOPHORONE
	SW8270C	NAPH	NAPHTHALENE
	SW8270C	NO2BZ	NITROBENZENE
	SW8270C	NNSM	N-NITROSODIMETHYLAMINE
	SW8270C	NNSPR	N-NITROSODI-n-PROPYLAMINE
	SW8270C	NNSPH	N-NITROSODIPHENYLAMINE
	SW8270C	PCP	PENTACHLOROPHENOL
	SW8270C	PHAN	PHENANTHRENE
	SW8270C	PHENOL	PHENOL
	SW8270C	PYR	PYRENE
Priority Pollutant List Total and Dissolved Metals (PPL Metals) [(1)]			
	SW6010B	SB	ANTIMONY
	SW6010B	AS	ARSENIC
	SW6010B	BE	BERYLLIUM
	SW6010B	CD	CADMIUM
	SW6010B	CR	CHROMIUM, TOTAL
	SW6010B	CU	COPPER
	SW6010B	PB	LEAD
	SW7470A	HG	MERCURY
	SW6010B	NI	NICKEL
	SW6010B	SE	SELENIUM
	SW6010B	AG	SILVER
	SW6010B	TL	THALLIUM
	SW6010B	ZN	ZINC
Energetics and Explosives (E&E)			
	SW8330	DNBZ12	1,2-DINITROBENZENE
	SW8330	TNB135	1,3,5-TRINITROBENZENE
	SW8330	DNB13	1,3-DINITROBENZENE
	SW8330	TNT	2,4,6-TRINITROTOLUENE
	SW8330	DNT_EE	2,4/2,6-DINITROTOLUENE_E&E
	SW8330	A2DNT46	2-AMINO-4,6-DINITROTOLUENE
	SW8330	NBZME2	2-NITROTOLUENE
	SW8330	NBZME3	3-NITROTOLUENE
	SW8330	A4DNT26	4-AMINO-2,6-DINITROTOLUENE
	SW8330	NBZME4	4-NITROTOLUENE
	SW8330	DDNP	DIAZODINITROPHENOL [(2)]
	SW8330	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE
	SW8330	NO2BZ	NITROBENZENE
	SW8332	NG	NITROGLYCERIN
	SW8330	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE
	SW8330	PETN	PENTAERYTHRITOL TETRANITRATE [(2)]
	SW8330	PCATE	PERCHLORATE [(2)]
	SW8330	TETRYL	TETRYL

Table 3

List of Constituents per Analytical Group
GW - SI
Kenvil Works Facility, New Jersey

Analytical Group	Analytical Method	Chem Code	Constituent
Polychlorinated biphenyls (PCBs) [2]			
	SW8082	pcb1016	PCB-1016 (AROCHLOR 1016)
	SW8082	pcb1221	PCB-1221 (AROCHLOR 1221)
	SW8082	pcb1232	PCB-1232 (AROCHLOR 1232)
	SW8082	pcb1242	PCB-1242 (AROCHLOR 1242)
	SW8082	pcb1248	PCB-1248 (AROCHLOR 1248)
	SW8082	pcb1254	PCB-1254 (AROCHLOR 1254)
	SW8082	pcb1260	PCB-1260 (AROCHLOR 1260)
General Chemistry Parameters (GenChem)			
	E350.2	NH3N	NITROGEN, AMMONIA (AS N)
	E353.2	NO3N	NITROGEN, NITRATE (AS N)
	E353.2	NO2N	NITROGEN, NITRITE

Notes:
[1] = PPL Total and Dissolved Metal Analysis was conducted concurrently for all groundwater samples collected during the GWSI Addendum 2002
(2) = Constituents were analyzed for in areas on known contamination or based on historical operations

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/L	6	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROMETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	0.8U	0.8U	0.8U	**1J**	0.8U
TOLUENE	UG/L	1,000	0.7U	0.7J	0.7U	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	0.9J	0.8U	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW
Volatile Organic Constituents							
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	0.8U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	0.8U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2UJ	2UJ	2UJ	2UJ
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	0.5U	0.5U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	1U	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	NR	NR	NR	NR	NR
CHLOROFORM	UG/L	6	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROMETHANE	UG/L	30	1U	1U	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	0.8U	**11**	0.9J	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	0.8U	0.8U	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	0.8U	**6**	**1J**	**1J**
TOLUENE	UG/L	1,000	0.7U	0.7U	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	0.8U	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	**2J**	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW
Volatile Organic Constituents cont'd							
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	0.8U	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2UJ	2UJ	2UJ	2UJ	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	NR	NR	NR	NR	NR	NR
CHLOROFORM	UG/L	6	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
CHLOROMETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	2J	0.8U	0.8U	0.8U	0.9J
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	**3J**	0.8U	0.8U	0.8U	**1J**
TOLUENE	UG/L	1,000	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	1U	1UJ	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1UJ	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	1U	1UJ	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1UJ	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	1U	1UJ	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1UJ	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1UJ	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2UJ	2U	2UJ	2U
ACROLEIN	UG/L	NS	40U	40U	40UJ	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4UJ	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	0.5U	1U	1UJ	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1UJ	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1UJ	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	2U	2UJ	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1UJ	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	1U	1UJ	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	NR	2U	2UJ	NR	NR	NR
CHLOROFORM	UG/L	6	0.8U	1U	1UJ	0.8U	0.8U	0.8U
CHLOROMETHANE	UG/L	30	1U	2U	2UJ	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	1U	1UJ	0.8U	0.8U	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1UJ	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	0.8U	1U	1UJ	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2UJ	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	1U	1UJ	0.8U	0.8U	0.8U
TOLUENE	UG/L	1,000	0.7U	1U	1UJ	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	1U	1UJ	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1UJ	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2UJ	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1UJ	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	1U	1UJ	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	1U	1UJ	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1UJ	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	1U	1UJ	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1UJ	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	1U	1UJ	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1UJ	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1UJ	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2UJ	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40UJ	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4UJ	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
BENZENE	UG/L	1	0.5U	1U	1UJ	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1UJ	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1UJ	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	2U	2UJ	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1UJ	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	1U	1UJ	1U	1U	1U
CHLOROETHANE	UG/L	NS	NR	2U	2UJ	2U	2U	2U
CHLOROFORM	UG/L	6	0.8U	1U	1UJ	1U	1U	1U
CHLOROMETHANE	UG/L	30	1U	2U	2UJ	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	1U	1UJ	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000UJ	1000UJ	1000UJ
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1UJ	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
ETHYLBENZENE	UG/L	700	0.8U	1U	1UJ	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2UJ	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000UJ	1000UJ	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	**2J**	1UJ	1U	1U	1U
TOLUENE	UG/L	1,000	0.7U	1U	1UJ	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	1U	1UJ	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1UJ	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2UJ	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1UJ	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	1U	1UJ	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	2U	2U	2U	NR	NR	NR
CHLOROFORM	UG/L	6	1U	2J	1U	0.8U	0.8U	0.8U
CHLOROMETHANE	UG/L	30	2U	2U	2U	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	0.8U	0.8U	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	0.8U	0.8U	0.8U
TOLUENE	UG/L	1,000	1U	1U	1U	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	0.8U	0.8U	0.8U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8U	0.8U	0.8U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	0.8U	0.8U	0.8U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	0.5U	0.5U	0.5U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	1U	1U	1U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	0.8U	0.8U	0.8U	1U	1U	1U
CHLOROETHANE	UG/L	NS	NR	NR	NR	2U	2U	2U
CHLOROFORM	UG/L	6	0.8U	0.8U	0.8U	1U	1U	1U
CHLOROMETHANE	UG/L	30	1U	1U	1U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	0.8U	0.8U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	0.8U	0.8U	0.8U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8U	0.8U	0.8U	1U	1U	1U
TOLUENE	UG/L	1,000	0.7U	0.7U	0.7U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8U	0.8U	0.8U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	0.8U	0.8U	0.8U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000UJ	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000UJ	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	2J	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
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NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000UJ	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000UJ	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000UJ	1000U
ETHANOL	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000UJ	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000UJ	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000U	1000UJ	1000UJ	1000UJ	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1J	1U	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1UJ	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1UJ	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1UJ	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40UJ	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4UJ	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	1UJ	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1UJ	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2UJ	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1UJ	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1UJ	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1UJ	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2UJ	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1UJ	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1UJ	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1UJ	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2UJ	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1UJ	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1UJ	1U	1U	1U	1U	2J
trans-1,2-DICHLOROETHENE	UG/L	100	1UJ	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1UJ	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1UJ	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1UJ	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1J	1U	1U	1U	1J
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
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Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000UJ
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000UJ	1000UJ	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	1U	1U	1U	1J
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	**2J**	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1J	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000UJ	1000UJ	1000UJ	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	3J	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	**18**	**4J**

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	2J	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	**2J**	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40R	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	2J
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
ETHANOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	2U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2UJ
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	2R
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	2U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	2U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	2U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	2U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	2U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	2U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000UJ	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**2J**	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1J	1U	2J	1U	1J	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	2U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1UJ	1UJ	1UJ
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1UJ	1UJ	1UJ
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1UJ	1UJ	1UJ
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1UJ	1UJ	1UJ
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1UJ	1UJ	1UJ
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1UJ	1UJ	1UJ
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1UJ	1UJ	1UJ
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2UJ	2UJ	2UJ
ACROLEIN	UG/L	NS	40U	40U	40U	40UJ	40UJ	40UJ
ACRYLONITRILE	UG/L	50	4U	4U	4U	4UJ	4UJ	4UJ
AMYL ALCOHOL	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1UJ	1UJ	1UJ
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1UJ	1UJ	1UJ
BROMOFORM	UG/L	4	1U	1U	1U	1UJ	1UJ	1UJ
BROMOMETHANE	UG/L	10	2U	2U	2U	2UJ	2UJ	2UJ
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1UJ	1UJ	1UJ
CHLOROBENZENE	UG/L	4	1U	1U	1U	1UJ	1UJ	1UJ
CHLOROETHANE	UG/L	NS	2U	2U	2U	2UJ	2UJ	2UJ
CHLOROFORM	UG/L	6	1U	1U	1U	1UJ	1UJ	1UJ
CHLOROMETHANE	UG/L	30	2U	2U	2U	2UJ	2UJ	2UJ
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1UJ	1UJ	1UJ
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1UJ	1UJ	1UJ
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1UJ	1UJ	1UJ
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1UJ	1UJ	1UJ
METHANOL	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2UJ	2UJ	2UJ
n-BUTYL ETHER	UG/L	NS	1000UJ	1000UJ	1000UJ	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1UJ	1UJ	1UJ
TOLUENE	UG/L	1,000	1U	1U	1U	1UJ	1UJ	1UJ
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1UJ	1UJ	1UJ
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1UJ	1UJ	1UJ
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1UJ	1UJ	1UJ

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2UJ	2UJ	2UJ
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1UJ	1UJ	1UJ
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1UJ	1UJ	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	**2J**	**3J**	**6**	1U	1U
TOLUENE	UG/L	1,000	1U	1J	1U	2J	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	**1J**	1U	**1J**	1U	**3J**
TOLUENE	UG/L	1,000	1U	2J	1U	1U	1U	1J
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**2J**	**1J**	1U	**1J**	**1J**	1U
TOLUENE	UG/L	1,000	1U	2J	1U	1U	5J	1J
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40R	40R	40U	40R	40R	40R
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000UJ
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000UJ
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000UJ
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000UJ
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000UJ
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000U	1000UJ	1000U	1000U	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	1U	1U	1U	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1U	1U	1J

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40R	40R	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
BENZENE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1U	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
ETHANOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
ETHYLBENZENE	UG/L	700	1U	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000UJ	1000U	1000UJ	1000UJ	1000UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	1U	1U	1U	1U	1U	1U
TOLUENE	UG/L	1,000	2J	1U	1J	1U	1U	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	3J	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1U	1U	1U	1UJ	1UJ	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1U	1U	1U	1UJ	1UJ	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1U	1U	1U	1UJ	1UJ	1U
1,1-DICHLOROETHANE	UG/L	70	1U	1U	1U	1UJ	1UJ	1U
1,1-DICHLOROETHENE	UG/L	2	1U	1U	1U	1UJ	1UJ	1U
1,2-DICHLOROETHANE	UG/L	2	1U	1U	1U	1UJ	1UJ	1U
1,2-DICHLOROPROPANE	UG/L	1	1U	1U	1U	1UJ	1UJ	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2U	2U	2U	2UJ	2UJ	2U
ACROLEIN	UG/L	NS	40U	40U	40U	40UJ	40UJ	40U
ACRYLONITRILE	UG/L	50	4U	4U	4U	4UJ	4UJ	4U
AMYL ALCOHOL	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1U	1U	1U	1UJ	1UJ	1U
BROMODICHLOROMETHANE	UG/L	1	1U	1U	1U	1UJ	1UJ	1U
BROMOFORM	UG/L	4	1U	1U	1U	1UJ	1UJ	1U
BROMOMETHANE	UG/L	10	2U	2U	2U	2UJ	2UJ	2U
CARBON TETRACHLORIDE	UG/L	2	1U	1U	1U	1UJ	1UJ	1U
CHLOROBENZENE	UG/L	4	1U	1U	1U	1UJ	1UJ	1U
CHLOROETHANE	UG/L	NS	2U	2U	2U	2UJ	2UJ	2U
CHLOROFORM	UG/L	6	1U	1U	1U	1UJ	1UJ	1U
CHLOROMETHANE	UG/L	30	2U	2U	2U	2UJ	2UJ	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1UJ	1UJ	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1UJ	1UJ	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1U	1U	1U	1UJ	1UJ	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1U	1U	1U	1UJ	1UJ	1U
METHANOL	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2U	2U	2U	2UJ	2UJ	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	1U	1U	1UJ	1UJ	1U
TOLUENE	UG/L	1,000	1J	1U	1U	1UJ	1UJ	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1U	1U	1U	1UJ	1UJ	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1U	1U	1U	1UJ	1UJ	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	**2J**	1UJ	1UJ	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2U	2U	2U	2UJ	2UJ	2U
VINYL CHLORIDE	UG/L	5	1U	1U	1U	1UJ	1UJ	1U
XYLENES, TOTAL	UG/L	40	1U	1U	1U	1UJ	1UJ	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1UJ	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1UJ	1U	1U	1U	1U	1U
1,1-DICHLOROETHANE	UG/L	70	1UJ	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2U
ACROLEIN	UG/L	NS	40UJ	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4UJ	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
BENZENE	UG/L	1	1UJ	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1UJ	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2UJ	2U	2U	2U	2U	2U
CARBON TETRACHLORIDE	UG/L	2	1UJ	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1UJ	1U	1U	1U	1U	1U
CHLOROETHANE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
CHLOROFORM	UG/L	6	1UJ	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2UJ	2U	2U	2U	2U	2U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1UJ	1U	1U	1U	1U	1U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1UJ	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1UJ	1U	1U	1U	1U	1U
METHANOL	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2UJ	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000U	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1UJ	1U	1U	1U	**2J**	1U
TOLUENE	UG/L	1,000	1UJ	1U	1U	1U	2J	1U
trans-1,2-DICHLOROETHENE	UG/L	100	1UJ	1U	1U	1U	1U	1U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1UJ	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1UJ	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1UJ	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Volatile Organic Constituents								
1,1,1-TRICHLOROETHANE	UG/L	30	1UJ	1U	1U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	UG/L	3	1UJ	1U	1U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	UG/L	70	1UJ	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	UG/L	2	1UJ	1U	1U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	UG/L	2	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROPROPANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2UJ
ACROLEIN	UG/L	NS	40UJ	40U	40U	40U	40U	40U
ACRYLONITRILE	UG/L	50	4UJ	4U	4U	4U	4U	4U
AMYL ALCOHOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
BENZENE	UG/L	1	1UJ	1U	1U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	UG/L	1	1UJ	1U	1U	1U	1U	1U
BROMOFORM	UG/L	4	1UJ	1U	1U	1U	1U	1U
BROMOMETHANE	UG/L	10	2UJ	2U	2U	1U	1U	1U
CARBON TETRACHLORIDE	UG/L	2	1UJ	1U	1U	1U	1U	1U
CHLOROBENZENE	UG/L	4	1UJ	1U	1U	0.8U	0.8U	0.8U
CHLOROETHANE	UG/L	NS	2UJ	2U	2U	NR	NR	NR
CHLOROFORM	UG/L	6	1UJ	1U	1U	1U	1U	1U
CHLOROMETHANE	UG/L	30	2UJ	2U	2U	1U	1U	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	1UJ	1U	1U	0.8U	0.8U	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1UJ	1U	1U	1U	1U	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
ETHYLBENZENE	UG/L	700	1UJ	1U	1U	0.8U	0.8U	0.8U
METHANOL	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
METHYLENE CHLORIDE	UG/L	2	2UJ	2U	2U	2U	2U	2U
n-BUTYL ETHER	UG/L	NS	1000U	1000U	1000UJ	1000U	1000U	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	1UJ	1U	1U	0.8U	0.8U	0.8U
TOLUENE	UG/L	1,000	1UJ	1U	2J	0.7U	0.7U	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	1UJ	1U	1U	0.8U	0.8U	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	**1J**	1U	1U	1U	1U	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Volatile Organic Constituents cont'd								
TRICHLOROFLUOROMETHANE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
VINYL CHLORIDE	UG/L	5	1UJ	1U	1U	1U	1U	1U
XYLENES, TOTAL	UG/L	40	1UJ	1U	1U	0.8U	0.8U	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Volatile Organic Constituents				
1,1,1-TRICHLOROETHANE	UG/L	30	0.8UJ	0.8U
1,1,2,2-TETRACHLOROETHANE	UG/L	2	1UJ	1U
1,1,2-TRICHLOROETHANE	UG/L	3	0.8UJ	0.8U
1,1-DICHLOROETHANE	UG/L	70	1UJ	1U
1,1-DICHLOROETHENE	UG/L	2	0.8UJ	0.8U
1,2-DICHLOROETHANE	UG/L	2	1UJ	1U
1,2-DICHLOROPROPANE	UG/L	1	1UJ	1U
2-CHLOROETHYL VINYL ETHER	UG/L	NS	2UJ	2U
ACROLEIN	UG/L	NS	40UJ	40U
ACRYLONITRILE	UG/L	50	4UJ	4U
AMYL ALCOHOL	UG/L	NS	1000UJ	1000U
BENZENE	UG/L	1	0.5UJ	0.5U
BROMODICHLOROMETHANE	UG/L	1	1UJ	1U
BROMOFORM	UG/L	4	1UJ	1U
BROMOMETHANE	UG/L	10	1UJ	1U
CARBON TETRACHLORIDE	UG/L	2	1UJ	1U
CHLOROBENZENE	UG/L	4	0.8UJ	0.8U
CHLOROETHANE	UG/L	NS	NR	NR
CHLOROFORM	UG/L	6	1UJ	1U
CHLOROMETHANE	UG/L	30	1UJ	1U
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8UJ	0.8U
cis-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U
Di-n-propyl ether (1,1'-oxybis-Propane)	UG/L	NS	1000UJ	1000U
DIBROMOCHLOROMETHANE	UG/L	10	1UJ	1U
DIETHYL ETHER (ETHYL ETHER)	UG/L	NS	1000UJ	1000U
ETHANOL	UG/L	NS	1000UJ	1000U
ETHYLBENZENE	UG/L	700	0.8UJ	0.8U
METHANOL	UG/L	NS	1000UJ	1000U
METHYLENE CHLORIDE	UG/L	2	2UJ	2U
n-BUTYL ETHER	UG/L	NS	1000UJ	1000U
TETRACHLOROETHYLENE(PCE)	UG/L	1	0.8UJ	0.8U
TOLUENE	UG/L	1,000	0.7UJ	0.7U
trans-1,2-DICHLOROETHENE	UG/L	100	0.8UJ	0.8U
trans-1,3-DICHLOROPROPENE	UG/L	NS	1UJ	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1UJ	1U

Table 4

Analytical Results - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Volatile Organic Constituents cont'd				
TRICHLOROFLUOROMETHANE	UG/L	NS	2UJ	2U
VINYL CHLORIDE	UG/L	5	1UJ	1U
XYLENES, TOTAL	UG/L	40	0.8UJ	0.8U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW
Semi-Volatile Organic Constituents							
1,2,4-TRICHLOROBENZENE	UG/L	9	0.9U	2U	1U	0.9U	1U
1,2-DICHLOROBENZENE	UG/L	600	0.9U	2U	1U	0.9U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	0.9U	2U	1U	0.9U	1U
1,3-DICHLOROBENZENE	UG/L	600	0.9U	2U	1U	0.9U	1U
1,4-DICHLOROBENZENE	UG/L	75	0.9U	2U	1U	0.9U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	0.9U	2U	1U	0.9U	1U
2,4-DICHLOROPHENOL	UG/L	20	0.9U	2U	1U	0.9U	1U
2,4-DIMETHYLPHENOL	UG/L	100	0.9U	2U	1U	0.9U	1U
2,4-DINITROPHENOL	UG/L	40	19U	36U	20U	19U	20U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	0.9U	2U	1U	0.9U	1U
2-CHLORONAPHTHALENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
2-CHLOROPHENOL	UG/L	40	0.9U	2U	1U	0.9U	1U
2-NITROPHENOL	UG/L	NS	0.9U	2U	1U	0.9U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	0.9U	2U	1U	0.9U	1U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	9U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	0.9U	2U	1U	0.9U	1U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	0.9U	2U	1U	0.9U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	0.9U	2U	1U	0.9U	1U
4-NITROPHENOL	UG/L	NS	9U	18U	10U	9U	10U
ACENAPHTHENE	UG/L	400	0.9U	2U	1U	0.9U	1U
ACENAPHTHYLENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
ANTHRACENE	UG/L	2,000	0.9U	2U	1U	0.9U	1U
BENZIDINE	UG/L	50	19U	36U	20U	19U	20U
BENZO(a)ANTHRACENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
BENZO(a)PYRENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	4U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	0.9U	2U	1U	0.9U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	0.9U	2U	1U	0.9U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	0.9U	2U	1U	0.9U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	9J	16	2U	2U
CHRYSENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	4U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	4U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	6J	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	4U	2U	2U	2U
FLUORANTHENE	UG/L	300	0.9U	2U	1U	0.9U	1U
FLUORENE	UG/L	300	0.9U	2U	1U	0.9U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW
Semi-Volatile Organic Constituents							
Semi-Volatile Organic Constituents cont'd							
HEXACHLOROBENZENE	UG/L	10	0.9U	2U	1U	0.9U	1U
HEXACHLOROBUTADIENE	UG/L	1	0.9U	2U	1U	0.9U	1U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	9U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	0.9U	2U	1U	0.9U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
ISOPHORONE	UG/L	100	0.9U	2U	1U	0.9U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	0.9U	2U	1U	0.9U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	4U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2U	4U	2U	2U	2U
NAPHTHALENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
NITROBENZENE	UG/L	10	0.9U	2U	1U	0.9U	1U
PENTACHLOROPHENOL	UG/L	1	3U	5U	3U	3U	3U
PHENANTHRENE	UG/L	NS	0.9U	2U	1U	0.9U	1U
PHENOL	UG/L	4,000	0.9U	2U	1U	0.9U	1U
PYRENE	UG/L	200	0.9U	2U	1U	0.9U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP
Semi-Volatile Organic Constituents							
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	0.9U	0.9U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	0.9U	0.9U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	0.9U	0.9U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	0.9U	0.9U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	0.9U	0.9U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	1U	0.9U	0.9U	1U	1U
2,4-DICHLOROPHENOL	UG/L	20	1U	0.9U	0.9U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	0.9U	0.9U	1U	1U
2,4-DINITROPHENOL	UG/L	40	19U	19U	19U	19U	22U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	1U	0.9U	1J	1U	1U
2-CHLORONAPHTHALENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	0.9U	0.9U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	0.9U	0.9U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	1U	0.9U	0.9U	1U	1U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	1U	0.9U	0.9U	1U	1U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	0.9U	0.9U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	0.9U	0.9U	1U	1U
4-NITROPHENOL	UG/L	NS	10U	9U	9U	10U	11U
ACENAPHTHENE	UG/L	400	1U	0.9U	0.9U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
ANTHRACENE	UG/L	2,000	1U	0.9U	0.9U	1U	1U
BENZIDINE	UG/L	50	19U	19U	19U	19U	22U
BENZO(a)ANTHRACENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	0.9U	0.9U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	0.9U	0.9U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	0.9U	0.9U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	5J	2J	25	15
CHRYSENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	0.9U	0.9U	1U	1U
FLUORENE	UG/L	300	1U	0.9U	0.9U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP
Semi-Volatile Organic Constituents							
Semi-Volatile Organic Constituents cont'd							
HEXACHLOROBENZENE	UG/L	10	1U	0.9U	0.9U	1U	1U
HEXACHLOROBUTADIENE	UG/L	1	1U	0.9U	0.9U	1U	1U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	0.9U	0.9U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
ISOPHORONE	UG/L	100	1U	0.9U	0.9U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	0.9U	0.9U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2U	2U	2U	2U	2U
NAPHTHALENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
NITROBENZENE	UG/L	10	1U	0.9U	0.9U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	0.9U	0.9U	1U	1U
PHENOL	UG/L	4,000	1U	0.9U	0.9U	1U	1U
PYRENE	UG/L	200	1U	0.9U	0.9U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Semi-Volatile Organic Constituents							
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	0.9U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	0.9U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	0.9U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	0.9U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	0.9U
2,4,6-TRICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	0.9U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	0.9U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	0.9U
2,4-DINITROPHENOL	UG/L	40	20U	19U	20U	22U	19UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	1U	1U	1U	1U	0.9U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	0.9U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	0.9U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	0.9U
3,3'-DICHLOROBENZIDINE	UG/L	60	1U	1U	1U	1U	0.9U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	0.9U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	0.9U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	0.9U
4-NITROPHENOL	UG/L	NS	10U	10U	10U	11U	9U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	0.9U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	0.9U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	0.9U
BENZIDINE	UG/L	50	20U	19U	20U	22U	19U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	0.9U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	0.9U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	0.9U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	0.9U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	0.9U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	0.9U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	0.9U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	0.9U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U	9J	2U	2U
CHRYSENE	UG/L	NS	1U	1U	1U	1U	0.9U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	0.9U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	0.9U
FLUORENE	UG/L	300	1U	1U	1U	1U	0.9U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Semi-Volatile Organic Constituents							
Semi-Volatile Organic Constituents cont'd							
HEXACHLOROBENZENE	UG/L	10	1U	1U	1U	1U	0.9U
HEXACHLOROBUTADIENE	UG/L	1	1U	1U	1U	1U	0.9U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	0.9U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	0.9U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	0.9U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	0.9U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2U	2U	2U	2U	2U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	0.9U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	0.9U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	0.9U
PHENOL	UG/L	4,000	1U	1U	1U	1U	0.9U
PYRENE	UG/L	200	1U	1U	1U	1U	0.9U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	1U	1U	1U	2U	2U	1U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	28U	20U	19U	21U	21U	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	1U	1U	1U	2U	2U	1U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	1U	1U	1U	3U	3U	1U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	7U	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	2U	2U	1U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	14U	10U	10U	10U	11U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	28U	20U	19U	21U	21U	21U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	3U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	6J	2J	2J	2U	**160**	7J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	3U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	3U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	3U	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	3U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	1U	1U	1U	2U	2U	1U
HEXACHLOROBUTADIENE	UG/L	1	1U	1U	1U	2U	2U	1U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	7U	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	3U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	3U	2U	2U	1U	1U	2U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	4U	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	2U	1U	1U	1UJ	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	2U	1U	1U	1UJ	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	2U	1U	1U	1UJ	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	2U	1U	1U	1UJ	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	2U	1U	1U	1UJ	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	1U	1U	2UJ	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	2U	1U	1U	1UJ	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	2U	1U	1U	1UJ	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	40U	19U	20U	21UJ	20U	21UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	1U	1U	9UJ	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
2-CHLOROPHENOL	UG/L	40	2U	1U	1U	1UJ	1U	1UJ
2-NITROPHENOL	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	2U	1U	1U	3UJ	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	10U	5U	5U	5UJ	5U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	1U	1U	2UJ	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
4-NITROPHENOL	UG/L	NS	20U	10U	10U	10UJ	10U	10UJ
ACENAPHTHENE	UG/L	400	2U	1U	1U	1UJ	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
ANTHRACENE	UG/L	2,000	2U	1U	1U	1UJ	1U	1UJ
BENZIDINE	UG/L	50	40U	19U	20U	21UJ	20U	21UJ
BENZO(a)ANTHRACENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	4U	2U	2U	2UJ	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	2U	1U	1U	1UJ	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	2U	1U	1U	1UJ	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	24	2U	2J	4J	2U	2J
CHRYSENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	4U	2U	2U	2UJ	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	4U	2U	2U	2UJ	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	4U	2U	2U	2UJ	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	4U	2U	2U	2UJ	2U	2UJ
FLUORANTHENE	UG/L	300	2U	1U	1U	1UJ	1U	1UJ
FLUORENE	UG/L	300	2U	1U	1U	1UJ	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	1U	1U	2UJ	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	1U	1U	2UJ	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	10U	5U	5U	5UJ	5U	5UJ
HEXACHLOROETHANE	UG/L	10	2U	1U	1U	1UJ	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
ISOPHORONE	UG/L	100	2U	1U	1U	1UJ	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	2U	1U	1U	1UJ	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	4U	2U	2U	2UJ	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	4U	2U	2U	1UJ	1U	5J
NAPHTHALENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
NITROBENZENE	UG/L	10	2U	1U	1U	4J	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	6U	3U	3U	3UJ	3U	3UJ
PHENANTHRENE	UG/L	NS	2U	1U	1U	1UJ	1U	1UJ
PHENOL	UG/L	4,000	2U	1U	1U	1UJ	1U	1UJ
PYRENE	UG/L	200	2U	1U	1U	1UJ	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-19 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	1U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	20U	20U	20U	20U	25U	19U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	1U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	4U	1U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	6U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	1U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	10U	10U	12U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	20U	20U	20U	20U	25U	19U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1UJ	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**450**	**140**	**150**	9J	11J	2J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2J	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-19 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	1U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	1U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	6U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2J	1U	1U	1U	1U	2U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	4U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	2U	2U	2U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	2U	2U	2U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	2U	2U	2U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	2U	2U	2U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	2U	2U	2U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	1U	1U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	2U	2U	2U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	2U	2U	2U	1U
2,4-DINITROPHENOL	UG/L	40	20U	19U	40U	40U	40U	19U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	1U	1U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	2U	2U	2U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	2U	2U	2U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	2U	2U	2U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	1U	1U	2U	2U	2U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	10U	10U	10U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	1U	1U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	2U	2U	2U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	2U	2U	2U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	20U	20U	20U	10U
ACENAPHTHENE	UG/L	400	1U	1U	2U	2U	2U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	2U	2U	2U	1U
ANTHRACENE	UG/L	2,000	1U	1U	2U	2U	2U	1U
BENZIDINE	UG/L	50	20U	19U	40U	40U	40U	19U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	2U	2U	2U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	2U	2U	2U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	2U	2U	2U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	2U	2U	2U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	2U	2U	2U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	4U	4U	4U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	2U	2U	2U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	2U	2U	2U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	2U	2U	2U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	7J	**130**	**32**	16J	2J
CHRYSENE	UG/L	NS	1U	1U	2U	2U	2U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	4U	4U	4U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	5J	4U	4U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	2U	2U	2U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	4U	4U	4U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	4U	4U	4U	2U
FLUORANTHENE	UG/L	300	1U	1U	2U	2U	2U	1U
FLUORENE	UG/L	300	1U	1U	2U	2U	2U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	1U	1U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	1U	1U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	10U	10U	10U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	2U	2U	2U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	2U	2U	2U	1U
ISOPHORONE	UG/L	100	1U	1U	2U	2U	2U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	2U	2U	2U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	4U	4U	4U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2U	2U	4U	4U	4U	1U
NAPHTHALENE	UG/L	NS	1U	1U	2U	2U	2U	1U
NITROBENZENE	UG/L	10	1U	1U	2U	2U	2U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	6U	6U	6U	15U
PHENANTHRENE	UG/L	NS	1U	1U	2U	2U	2U	1U
PHENOL	UG/L	4,000	1U	1U	2U	2U	2U	1U
PYRENE	UG/L	200	1U	1U	2U	2U	2U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	20U	19U	20U	21U	21U	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	10U	11U	10U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	20U	19U	20U	21U	21U	21U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	8J	2U	16	4J	4J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	15U	15U	15U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	10U	1UJ	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	10U	1UJ	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	10U	1UJ	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	10U	1UJ	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	10U	1UJ	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	20U	2UJ	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	10U	1UJ	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	10U	1UJ	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	22U	20U	200U	21UJ	21U	21UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	20U	2UJ	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1U	10U	1UJ	1U	1UJ
2-NITROPHENOL	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	30U	3UJ	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	50U	5UJ	5U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	20U	2UJ	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
4-NITROPHENOL	UG/L	NS	11U	10U	100U	10UJ	10U	10UJ
ACENAPHTHENE	UG/L	400	1U	1U	10U	1UJ	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
ANTHRACENE	UG/L	2,000	1U	1U	10U	1UJ	1U	1UJ
BENZIDINE	UG/L	50	22U	20U	200U	21UJ	21U	21UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	20U	2UJ	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	10U	1UJ	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	10U	1UJ	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	3J	2U	**170**	3J	5J	**220J**
CHRYSENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	20U	2UJ	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	20U	2UJ	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	20U	2UJ	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	20U	2UJ	2U	2UJ
FLUORANTHENE	UG/L	300	1U	1U	10U	1UJ	1U	1UJ
FLUORENE	UG/L	300	1U	1U	10U	1UJ	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	20U	2UJ	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	20U	2UJ	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	50U	5UJ	5U	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1U	10U	1UJ	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
ISOPHORONE	UG/L	100	1U	1U	10U	1UJ	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	10U	1UJ	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	20U	2UJ	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	10U	1UJ	1U	1UJ
NAPHTHALENE	UG/L	NS	1U	1U	10U	1UJ	1U	1UJ
NITROBENZENE	UG/L	10	1U	1U	10U	1UJ	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	3U	30U	3UJ	3U	3UJ
PHENANTHRENE	UG/L	NS	1U	1U	10U	1UJ	1U	5J
PHENOL	UG/L	4,000	1U	1U	10U	1UJ	1U	1UJ
PYRENE	UG/L	200	1U	1U	10U	1UJ	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	1U	1U	1UJ	1UJ	1U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1UJ	1UJ	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	1U	1U	1UJ	1UJ	1U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1UJ	1UJ	1U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	1U	1U	1UJ	1UJ	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2UJ	2U	2U	2UJ	2UJ	2U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	1U	1U	1UJ	1UJ	1U
2,4-DINITROPHENOL	UG/L	40	20UJ	21U	21U	21UJ	20UJ	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2UJ	2U	2U	2UJ	2UJ	2U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
2-CHLOROPHENOL	UG/L	40	1UJ	1U	1U	1UJ	1UJ	1U
2-NITROPHENOL	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3UJ	3U	3U	3UJ	3UJ	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U	5U	5UJ	5UJ	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2UJ	2U	2U	2UJ	2UJ	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
4-NITROPHENOL	UG/L	NS	10UJ	11U	10U	11UJ	10UJ	10U
ACENAPHTHENE	UG/L	400	1UJ	1U	1U	1UJ	1UJ	1U
ACENAPHTHYLENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
ANTHRACENE	UG/L	2,000	1UJ	1U	1U	1UJ	1UJ	1U
BENZIDINE	UG/L	50	20UJ	21U	21U	21UJ	20UJ	21U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(a)PYRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U	2U	2UJ	2UJ	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	5J	2U	2U	8J	6J	12
CHRYSENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U	2U	2UJ	2UJ	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U	2U	2UJ	2UJ	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U	2U	2UJ	2UJ	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U	2U	2UJ	2UJ	2U
FLUORANTHENE	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U
FLUORENE	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2UJ	2U	2U	2UJ	2UJ	2U
HEXACHLOROBUTADIENE	UG/L	1	2UJ	2U	2U	2UJ	2UJ	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U	5U	5UJ	5UJ	5U
HEXACHLOROETHANE	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
ISOPHORONE	UG/L	100	1UJ	1U	1U	1UJ	7J	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U	2U	2UJ	2UJ	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
NAPHTHALENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
NITROBENZENE	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U	3U	3UJ	3UJ	15U
PHENANTHRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
PHENOL	UG/L	4,000	1UJ	1U	1U	1UJ	1UJ	1U
PYRENE	UG/L	200	1UJ	1U	1U	1UJ	1UJ	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	0.9U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	0.9U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	0.9U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	0.9U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	0.9U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	0.9U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	0.9U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	19U	21U	23U	22U	21U	20U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	0.9U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	0.9U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	6U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	0.9U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	0.9U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	9U	10U	12U	11U	10U	10U
ACENAPHTHENE	UG/L	400	0.9U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	0.9U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	19U	21U	23U	22U	21U	20U
BENZO(a)ANTHRACENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	0.9U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	0.9U	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	6J	4J	16	7J	2J	2U
CHRYSENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	3J	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	0.9U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	0.9U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	6U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	0.9U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	0.9U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	0.9U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	0.9U	1U	1U	1U	1U	1U
NAPHTHALENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	0.9U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	15U	15U	15U	15U	15U	15U
PHENANTHRENE	UG/L	NS	0.9U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	0.9U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	0.9U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1UJ	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1UJ	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1UJ	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1UJ	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1UJ	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2UJ	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1UJ	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1UJ	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	21U	20U	22U	22UJ	23U	20UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	3J	2U	2U	2UJ	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1UJ	1U	1UJ
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3UJ	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5UJ	6U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2UJ	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
4-NITROPHENOL	UG/L	NS	11U	10U	11U	11UJ	12U	10UJ
ACENAPHTHENE	UG/L	400	1U	1U	1U	1UJ	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
ANTHRACENE	UG/L	2,000	1U	1U	1U	1UJ	1U	1UJ
BENZIDINE	UG/L	50	21U	20U	22U	22UJ	23U	20UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2UJ	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1UJ	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1UJ	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**43**	23	7J	7J	2U	**53J**
CHRYSENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2UJ	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2UJ	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2UJ	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2UJ	2U	2UJ
FLUORANTHENE	UG/L	300	1U	1U	1U	1UJ	1U	1UJ
FLUORENE	UG/L	300	1U	1U	1U	1UJ	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2UJ	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2UJ	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5UJ	6U	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1UJ	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
ISOPHORONE	UG/L	100	1U	1U	1U	1UJ	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1UJ	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2UJ	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1UJ	1U	1UJ
NAPHTHALENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
NITROBENZENE	UG/L	10	1U	1U	1U	1UJ	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3UJ	3U	3UJ
PHENANTHRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1UJ
PHENOL	UG/L	4,000	1U	1U	1U	1UJ	1U	1UJ
PYRENE	UG/L	200	1U	1U	1U	1UJ	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	1U	1UJ	1UJ	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	1U	1UJ	1UJ	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	1U	1UJ	1UJ	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	1U	1UJ	1UJ	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	1U	1UJ	1UJ	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2UJ	2U	2UJ	2UJ	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	1U	1UJ	1UJ	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	1U	1UJ	1UJ	1U	1U
2,4-DINITROPHENOL	UG/L	40	20UJ	21U	20UJ	23UJ	21U	19U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2UJ	2U	2UJ	2UJ	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
2-CHLOROPHENOL	UG/L	40	1UJ	1U	1UJ	1UJ	1U	1U
2-NITROPHENOL	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3UJ	3U	3UJ	3UJ	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U	5UJ	6UJ	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2UJ	2U	2UJ	2UJ	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
4-NITROPHENOL	UG/L	NS	10UJ	10U	10UJ	11UJ	11U	10U
ACENAPHTHENE	UG/L	400	1UJ	1U	1UJ	1UJ	1U	1U
ACENAPHTHYLENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
ANTHRACENE	UG/L	2,000	1UJ	1U	1UJ	1UJ	1U	1U
BENZIDINE	UG/L	50	20UJ	21U	20UJ	23UJ	21U	19U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
BENZO(a)PYRENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U	2UJ	2UJ	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	1U	1UJ	1UJ	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	1U	1UJ	1UJ	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	16J	2U	**57J**	6J	23	**66**
CHRYSENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U	2UJ	2UJ	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U	2UJ	2UJ	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U	2UJ	2UJ	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U	2UJ	2UJ	2U	2U
FLUORANTHENE	UG/L	300	1UJ	1U	1UJ	1UJ	1U	1U
FLUORENE	UG/L	300	1UJ	1U	1UJ	1UJ	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2UJ	2U	2UJ	2UJ	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2UJ	2U	2UJ	2UJ	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U	5UJ	6UJ	5U	5U
HEXACHLOROETHANE	UG/L	10	1UJ	1U	1UJ	1UJ	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
ISOPHORONE	UG/L	100	1UJ	1U	1UJ	1UJ	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	1U	1UJ	1UJ	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U	2UJ	2UJ	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1UJ	1U	1UJ	1UJ	1U	1U
NAPHTHALENE	UG/L	NS	1UJ	1U	1J	1UJ	1U	1U
NITROBENZENE	UG/L	10	1UJ	1U	1UJ	1UJ	1U	1U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U	3UJ	3UJ	3U	3U
PHENANTHRENE	UG/L	NS	1UJ	1U	1UJ	1UJ	1U	1U
PHENOL	UG/L	4,000	1UJ	1U	1UJ	1UJ	1U	1U
PYRENE	UG/L	200	1UJ	1U	1UJ	1UJ	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	0.9U	1U	1U	1U	1UJ	1U
1,2-DICHLOROBENZENE	UG/L	600	0.9U	1U	1U	1U	1UJ	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	0.9U	1U	1U	1U	1UJ	1U
1,3-DICHLOROBENZENE	UG/L	600	0.9U	1U	1U	1U	1UJ	1U
1,4-DICHLOROBENZENE	UG/L	75	0.9U	1U	1U	1U	1UJ	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2UJ	2U
2,4-DICHLOROPHENOL	UG/L	20	0.9U	1U	1U	1U	1UJ	1U
2,4-DIMETHYLPHENOL	UG/L	100	0.9U	1U	1U	1U	1UJ	1U
2,4-DINITROPHENOL	UG/L	40	19U	20U	19U	19U	20UJ	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2UJ	2U
2-CHLORONAPHTHALENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
2-CHLOROPHENOL	UG/L	40	0.9U	1U	1U	1U	1UJ	1U
2-NITROPHENOL	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3UJ	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5UJ	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2UJ	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
4-NITROPHENOL	UG/L	NS	9U	10U	10U	10U	10UJ	10U
ACENAPHTHENE	UG/L	400	0.9U	1U	1U	1U	1UJ	1U
ACENAPHTHYLENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
ANTHRACENE	UG/L	2,000	0.9U	1U	1U	1U	1UJ	1U
BENZIDINE	UG/L	50	19U	20U	19U	19U	20UJ	21U
BENZO(a)ANTHRACENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
BENZO(a)PYRENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
BENZO(b)FLUORANTHENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
BENZO(k)FLUORANTHENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2UJ	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	0.9U	1U	1U	1U	1UJ	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	0.9U	1U	1U	1U	1UJ	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2J	21	19	25J	10J
CHRYSENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2UJ	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2UJ	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	11	2UJ	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2UJ	2U
FLUORANTHENE	UG/L	300	0.9U	1U	1U	1U	1UJ	1U
FLUORENE	UG/L	300	0.9U	1U	1U	1U	1UJ	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2UJ	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2UJ	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5UJ	5U
HEXACHLOROETHANE	UG/L	10	0.9U	1U	1U	1U	1UJ	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
ISOPHORONE	UG/L	100	0.9U	1U	1U	1U	1UJ	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	0.9U	1U	1U	1U	1UJ	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2UJ	2U
N-NITROSODIPHENYLAMINE	UG/L	20	0.9U	1U	1U	1U	1UJ	1U
NAPHTHALENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
NITROBENZENE	UG/L	10	0.9U	1U	1U	1U	1UJ	1U
PENTACHLOROPHENOL	UG/L	1	15U	15U	15U	15U	3UJ	3U
PHENANTHRENE	UG/L	NS	0.9U	1U	1U	1U	1UJ	1U
PHENOL	UG/L	4,000	0.9U	1U	1U	1U	1UJ	1U
PYRENE	UG/L	200	0.9U	1U	1U	1U	1UJ	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1UJ	1U	1UJ	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1UJ	1U	1UJ	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1UJ	1U	1UJ	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1UJ	1U	1UJ	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1UJ	1U	1UJ	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2UJ	2U	2UJ	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1UJ	1U	1UJ	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1UJ	1U	1UJ	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	21U	20UJ	22U	20UJ	22U	21UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2UJ	2U	2UJ	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1UJ	1U	1UJ	1U	1UJ
2-NITROPHENOL	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3UJ	3U	3UJ	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5UJ	5U	5UJ	6U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2UJ	2U	2UJ	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
4-NITROPHENOL	UG/L	NS	11U	10UJ	11U	10UJ	11U	10UJ
ACENAPHTHENE	UG/L	400	1U	1UJ	1U	1UJ	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
ANTHRACENE	UG/L	2,000	1U	1UJ	1U	1UJ	1U	1UJ
BENZIDINE	UG/L	50	21U	20UJ	22U	20UJ	22U	21UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2UJ	2U	2UJ	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1UJ	1U	1UJ	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1UJ	1U	1UJ	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	13	11J	**120**	4J	2U	2UJ
CHRYSENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2UJ	2U	2UJ	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2UJ	2U	2UJ	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	2UJ	2U	2UJ	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	2UJ	2U	2UJ	2U	2UJ
FLUORANTHENE	UG/L	300	1U	1UJ	1U	1UJ	1U	1UJ
FLUORENE	UG/L	300	1U	1UJ	1U	1UJ	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2UJ	2U	2UJ	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	2UJ	2U	2UJ	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5UJ	5U	5UJ	6U	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1UJ	1U	1UJ	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
ISOPHORONE	UG/L	100	1U	1UJ	1U	1UJ	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1UJ	1U	1UJ	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2UJ	2U	2UJ	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1UJ	1U	1UJ	1U	1UJ
NAPHTHALENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
NITROBENZENE	UG/L	10	1U	1UJ	1U	1UJ	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	3UJ	3U	3UJ	3U	3UJ
PHENANTHRENE	UG/L	NS	1U	1UJ	1U	1UJ	1U	1UJ
PHENOL	UG/L	4,000	1U	1UJ	1U	1UJ	1U	1UJ
PYRENE	UG/L	200	1U	1UJ	1U	1UJ	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	1U	1U	1U	1UJ	1U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1U	1UJ	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	1U	1U	1U	1UJ	1U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1U	1UJ	1U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	1U	1U	1U	1UJ	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2UJ	2U	2U	2U	2UJ	2U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	1U	1U	1U	1UJ	1U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	1U	1U	1U	1UJ	1U
2,4-DINITROPHENOL	UG/L	40	22UJ	20U	21U	19U	20UJ	20U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2UJ	2U	2U	2U	2UJ	2U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
2-CHLOROPHENOL	UG/L	40	1UJ	1U	1U	1U	1UJ	1U
2-NITROPHENOL	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3UJ	3U	3U	3U	3UJ	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U	5U	5U	5UJ	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2UJ	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
4-NITROPHENOL	UG/L	NS	11UJ	10U	11U	10U	10UJ	10U
ACENAPHTHENE	UG/L	400	1UJ	1U	1U	1U	1UJ	1U
ACENAPHTHYLENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
ANTHRACENE	UG/L	2,000	1UJ	1U	1U	1U	1UJ	1U
BENZIDINE	UG/L	50	22UJ	20U	21U	19U	20UJ	20U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
BENZO(a)PYRENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U	2U	2U	2UJ	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	1U	1U	1U	1UJ	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	1U	1U	1U	1UJ	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	3J	14	19	22	13J	**38**
CHRYSENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U	2U	2U	2UJ	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U	2U	2U	2UJ	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U	2U	2U	2UJ	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U	2U	2U	2UJ	2U
FLUORANTHENE	UG/L	300	1UJ	1U	1U	1U	1UJ	1U
FLUORENE	UG/L	300	1UJ	1U	1U	1U	1UJ	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2UJ	2U	2U	2U	2UJ	2U
HEXACHLOROBUTADIENE	UG/L	1	2UJ	2U	2U	2U	2UJ	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U	5U	5U	5UJ	5U
HEXACHLOROETHANE	UG/L	10	1UJ	1U	1U	1U	1UJ	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
ISOPHORONE	UG/L	100	1UJ	1U	1U	1U	1UJ	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	1U	1U	1U	1UJ	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U	2U	2U	2UJ	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1UJ	1U	1U	1U	1UJ	1U
NAPHTHALENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
NITROBENZENE	UG/L	10	1UJ	1U	1U	1U	1UJ	1U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U	3U	3U	3UJ	3U
PHENANTHRENE	UG/L	NS	1UJ	1U	1U	1U	1UJ	1U
PHENOL	UG/L	4,000	1UJ	1U	1U	1U	1UJ	1U
PYRENE	UG/L	200	1UJ	1U	1U	1U	1UJ	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1UJ	2U	1U	1UJ	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1UJ	2U	1U	1UJ	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1UJ	2U	1U	1UJ	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1UJ	2U	1U	1UJ	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1UJ	2U	1U	1UJ	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	3UJ	3U	2U	3UJ	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1UJ	2U	1U	1UJ	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1UJ	2U	1U	1UJ	1UJ
2,4-DINITROPHENOL	UG/L	40	21U	27UJ	33U	23U	28UJ	21UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	3UJ	3U	2U	3UJ	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1UJ	2U	1U	1UJ	1UJ
2-NITROPHENOL	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	4UJ	5U	3U	4UJ	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	7UJ	8U	6U	7UJ	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	3UJ	3U	2U	3UJ	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
4-NITROPHENOL	UG/L	NS	10U	13UJ	17U	12U	14UJ	10UJ
ACENAPHTHENE	UG/L	400	1U	1UJ	2U	1U	1UJ	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
ANTHRACENE	UG/L	2,000	1U	1UJ	2U	1U	1UJ	1UJ
BENZIDINE	UG/L	50	21U	27UJ	33U	23U	28UJ	21UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	3UJ	3U	2U	3UJ	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1UJ	2U	1U	1UJ	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1UJ	2U	1U	1UJ	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	10	3UJ	5J	**440**	13J	2UJ
CHRYSENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	3UJ	3U	2U	3UJ	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	3UJ	3U	2U	3UJ	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	3UJ	3U	2U	3J	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	3UJ	3U	2U	3UJ	2UJ
FLUORANTHENE	UG/L	300	1U	1UJ	2U	1U	1UJ	1UJ
FLUORENE	UG/L	300	1U	1UJ	2U	1U	1UJ	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	3UJ	3U	2U	3UJ	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	3UJ	3U	2U	3UJ	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	7UJ	8U	6U	7UJ	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1UJ	2U	1U	1UJ	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
ISOPHORONE	UG/L	100	1U	1UJ	2U	1U	1UJ	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1UJ	2U	1U	1UJ	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	3UJ	3U	2U	3UJ	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1UJ	2U	1U	1UJ	1UJ
NAPHTHALENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
NITROBENZENE	UG/L	10	1U	1UJ	2U	1U	1UJ	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	4UJ	5U	3U	4UJ	3UJ
PHENANTHRENE	UG/L	NS	1U	1UJ	2U	1U	1UJ	1UJ
PHENOL	UG/L	4,000	1U	1UJ	2U	1U	1UJ	1UJ
PYRENE	UG/L	200	1U	1UJ	2U	1U	1UJ	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	1U	1U	1UJ	1UJ	1U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1UJ	1UJ	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	1U	1U	1UJ	1UJ	1U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1UJ	1UJ	1U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	1U	1U	1UJ	1UJ	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2UJ	2U	2U	2UJ	2UJ	2U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	1U	1U	1UJ	1UJ	1U
2,4-DINITROPHENOL	UG/L	40	19UJ	20U	21U	24UJ	20UJ	22U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2UJ	2U	2U	2UJ	2UJ	2U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
2-CHLOROPHENOL	UG/L	40	1UJ	1U	1U	1UJ	1UJ	1U
2-NITROPHENOL	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3UJ	3U	3U	4UJ	3UJ	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U	5U	6UJ	5UJ	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2UJ	2U	2U	2UJ	2UJ	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
4-NITROPHENOL	UG/L	NS	10UJ	10U	10U	12UJ	10UJ	11U
ACENAPHTHENE	UG/L	400	1UJ	1U	1U	1UJ	1UJ	1U
ACENAPHTHYLENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
ANTHRACENE	UG/L	2,000	1UJ	1U	1U	1UJ	1UJ	1U
BENZIDINE	UG/L	50	19UJ	20U	21U	24UJ	20UJ	22U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(a)PYRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U	2U	2UJ	2UJ	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2UJ	10J	13	2UJ	2UJ	2U
CHRYSENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U	2U	2UJ	2UJ	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U	2U	2UJ	2UJ	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U	2U	2UJ	2UJ	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U	2U	2UJ	2UJ	2U
FLUORANTHENE	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U
FLUORENE	UG/L	300	1UJ	1U	1U	1UJ	1UJ	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2UJ	2U	2U	2UJ	2UJ	2U
HEXACHLOROBUTADIENE	UG/L	1	2UJ	2U	2U	2UJ	2UJ	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U	5U	6UJ	5UJ	5U
HEXACHLOROETHANE	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
ISOPHORONE	UG/L	100	1UJ	1U	1U	1UJ	1UJ	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U	2U	2UJ	2UJ	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1UJ	1U	1U	1UJ	1UJ	1U
NAPHTHALENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
NITROBENZENE	UG/L	10	1UJ	1U	1U	1UJ	1UJ	1U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U	3U	4UJ	3UJ	3U
PHENANTHRENE	UG/L	NS	1UJ	1U	1U	1UJ	1UJ	1U
PHENOL	UG/L	4,000	1UJ	1U	1U	1UJ	1UJ	1U
PYRENE	UG/L	200	1UJ	1U	1U	1UJ	1UJ	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	22U	20U	20UJ	22U	21U	20UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1UJ
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	6U	5U	5U	5U	5U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1UJ
4-NITROPHENOL	UG/L	NS	11U	10U	10U	11U	11U	10UJ
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1UJ
BENZIDINE	UG/L	50	22U	20U	20U	22U	21U	20UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1UJ	1U	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**36**	**33**	2J	6J	2U	5J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1UJ	1U	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2UJ
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1UJ
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	6U	5U	5U	5U	5U	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1UJ	1U	1U	1UJ
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1UJ
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U	3UJ
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1UJ
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	22U	22U	21U	20U	21U	26U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	4U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5U	6U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	11U	11U	10U	10U	11U	13U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	22U	22U	21U	20U	21U	26U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U	2U	2U	2U	9J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5U	6U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U	4U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	20U	20U	19U	20U	22U	19U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	6U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	10U	10U	11U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	20U	20U	19U	20U	22U	19U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U	2U	**50**	2U	2U
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	3J	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	6U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP
Semi-Volatile Organic Constituents				
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U
2,4-DINITROPHENOL	UG/L	40	21U	20U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	**22000**	**74**
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U
4-NITROPHENOL	UG/L	NS	10U	10U
ACENAPHTHENE	UG/L	400	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U
BENZIDINE	UG/L	50	21U	20U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U
CHRYSENE	UG/L	NS	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U
FLUORANTHENE	UG/L	300	1U	1U
FLUORENE	UG/L	300	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP
Semi-Volatile Organic Constituents				
Semi-Volatile Organic Constituents cont'd				
HEXACHLOROBENZENE	UG/L	10	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U
ISOPHORONE	UG/L	100	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U
NAPHTHALENE	UG/L	NS	1J	1U
NITROBENZENE	UG/L	10	4J	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U
PHENOL	UG/L	4,000	1U	1U
PYRENE	UG/L	200	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1UJ	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1UJ	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1UJ	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1UJ	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1UJ	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2UJ	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1UJ	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1UJ	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	20U	20U	21UJ	20U	19U	20U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2UJ	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1UJ	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1UJ	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3UJ	3U	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5UJ	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2UJ	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1UJ	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1UJ	1U	1U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	11UJ	10U	10U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1UJ	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1UJ	1U	1U	1U
BENZIDINE	UG/L	50	20U	20U	21UJ	20U	19U	20U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2UJ	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1UJ	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1UJ	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U	2UJ	2U	2U	4J
CHRYSENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2UJ	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2UJ	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2UJ	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2UJ	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1UJ	1U	1U	1U
FLUORENE	UG/L	300	1U	1U	1UJ	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2UJ	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2UJ	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5UJ	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1UJ	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1UJ	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1UJ	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2UJ	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1UJ	1U	1U	3J
NAPHTHALENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1UJ	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3UJ	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1UJ	1U	1U	1U
PHENOL	UG/L	4,000	1U	1U	1UJ	1U	1U	1U
PYRENE	UG/L	200	1U	1U	1UJ	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1UJ	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1UJ	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1U	1UJ	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1UJ	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1UJ	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2UJ	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1UJ	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1UJ	1U	1U
2,4-DINITROPHENOL	UG/L	40	20U	22U	25U	20UJ	20U	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2UJ	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1UJ	1U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1UJ	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	4U	3UJ	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	6U	5UJ	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2UJ	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1UJ	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1U	1UJ	1U	1U
4-NITROPHENOL	UG/L	NS	10U	11U	12U	10UJ	10U	11U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1UJ	1U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1UJ	1U	1U
BENZIDINE	UG/L	50	20U	22U	25U	20UJ	20U	21U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2UJ	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1UJ	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1U	1UJ	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	7J	3J	**47**	2UJ	2U	2U
CHRYSENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2UJ	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2UJ	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2UJ	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2UJ	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1UJ	1U	1U
FLUORENE	UG/L	300	1U	1U	1U	1UJ	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2UJ	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2UJ	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	6U	5UJ	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1UJ	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
ISOPHORONE	UG/L	100	1U	1U	1U	1UJ	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1U	1UJ	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2UJ	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1UJ	1U	1U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
NITROBENZENE	UG/L	10	1U	1U	1U	1UJ	1U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	4U	3UJ	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1UJ	1U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1UJ	1U	1U
PYRENE	UG/L	200	1U	1U	1U	1UJ	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1U	1U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	1U	1U	1U	1U	1U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	1U	1U	1U	1U	1U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	1U	1U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2UJ	2U	2U	2U	2U	2U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	1U	1U	1U	1U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	1U	1U	1U	1U	1U
2,4-DINITROPHENOL	UG/L	40	21UJ	20U	21U	21U	21U	21U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2UJ	2U	2U	2U	2U	2U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
2-CHLOROPHENOL	UG/L	40	1UJ	1U	1U	1U	1U	1U
2-NITROPHENOL	UG/L	NS	1UJ	1U	1U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3UJ	3U	3U	3U	3U	3U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2UJ	2U	2U	2U	2U	2U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	1U	1U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	1U	1U	1U	1U	1U
4-NITROPHENOL	UG/L	NS	10UJ	10U	10U	10U	10U	10U
ACENAPHTHENE	UG/L	400	1UJ	1U	1U	1U	1U	1U
ACENAPHTHYLENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
ANTHRACENE	UG/L	2,000	1UJ	1U	1U	1U	1U	1U
BENZIDINE	UG/L	50	21UJ	20U	21U	21U	21U	21U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
BENZO(a)PYRENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	1U	1U	1U	1U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	1U	1U	1U	1U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2UJ	10	2U	18	6J	2U
CHRYSENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1UJ	1U	1U	1U	1U	1U
FLUORENE	UG/L	300	1UJ	1U	1U	1U	1U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2UJ	2U	2U	2U	2U	2U
HEXACHLOROBUTADIENE	UG/L	1	2UJ	2U	2U	2U	2U	2U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1UJ	1U	1U	1U	1U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
ISOPHORONE	UG/L	100	1UJ	1U	1U	1U	1U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	1U	1U	1U	1U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1UJ	1U	1U	1U	1U	1U
NAPHTHALENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
NITROBENZENE	UG/L	10	1UJ	1U	1U	1U	1U	1U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1UJ	1U	1U	1U	1U	1U
PHENOL	UG/L	4,000	1UJ	1U	1U	1U	1U	1U
PYRENE	UG/L	200	1UJ	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	1U	1UJ
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1UJ
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1U	1UJ	1UJ	1U	1UJ
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	1U	1UJ
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	1U	1UJ
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	2U	2U	2UJ
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	1U	1UJ
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	1U	1UJ
2,4-DINITROPHENOL	UG/L	40	22U	20U	21U	22U	20U	20UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2UJ
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	1U	1UJ
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1UJ
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	3U	3U	3UJ
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	6U	5U	5U	6U	5U	5UJ
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	2U	2U	2UJ
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	1U	1UJ
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1U	1UJ	1UJ	1U	1UJ
4-NITROPHENOL	UG/L	NS	11U	10U	11U	11U	10U	10UJ
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	1U	1UJ
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	1U	1UJ
BENZIDINE	UG/L	50	22U	20U	21U	22U	20U	20UJ
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2UJ
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	1U	1UJ
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1U	1UJ	1UJ	1U	1UJ
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	6J	2U	2U	2U	2U	3J
CHRYSENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2UJ
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2UJ
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U	2UJ
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2UJ
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	1U	1UJ
FLUORENE	UG/L	300	1U	1U	1U	1U	1U	1UJ

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	2U	2U	2UJ
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	2U	2U	2UJ
HEXACHLOROCYCLOPENTADIENE	UG/L	50	6U	5U	5U	6U	5U	5UJ
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	1U	1UJ
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
ISOPHORONE	UG/L	100	1U	1U	1UJ	1UJ	1U	1UJ
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1U	1UJ	1UJ	1U	1UJ
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2UJ
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	1U	1U	1UJ
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
NITROBENZENE	UG/L	10	1U	1U	1UJ	1UJ	1U	1UJ
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U	3UJ
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	1U	1UJ
PHENOL	UG/L	4,000	1U	1U	1U	1U	1U	1UJ
PYRENE	UG/L	200	1U	1U	1U	1U	1U	1UJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Semi-Volatile Organic Constituents								
1,2,4-TRICHLOROBENZENE	UG/L	9	1U	1U	1U	1U	0.9U	1U
1,2-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	0.9U	1U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1U	1UJ	1UJ	1U	0.9U	1U
1,3-DICHLOROBENZENE	UG/L	600	1U	1U	1U	1U	0.9U	1U
1,4-DICHLOROBENZENE	UG/L	75	1U	1U	1U	1U	0.9U	1U
2,4,6-TRICHLOROPHENOL	UG/L	20	2U	2U	2U	1U	0.9U	1U
2,4-DICHLOROPHENOL	UG/L	20	1U	1U	1U	1U	0.9U	1U
2,4-DIMETHYLPHENOL	UG/L	100	1U	1U	1U	1U	0.9U	1U
2,4-DINITROPHENOL	UG/L	40	20U	20U	21U	19U	19U	20UJ
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	1U	0.9U	1U
2-CHLORONAPHTHALENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
2-CHLOROPHENOL	UG/L	40	1U	1U	1U	1U	0.9U	1U
2-NITROPHENOL	UG/L	NS	1U	1U	1U	1U	0.9U	1U
3,3'-DICHLOROBENZIDINE	UG/L	60	3U	3U	3U	1U	0.9U	1U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5U	5U	5U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	2U	2U	2U	1U	0.9U	1U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1U	1U	1U	1U	0.9U	1U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1U	1UJ	1UJ	1U	0.9U	1U
4-NITROPHENOL	UG/L	NS	10U	10U	10U	10U	9U	10U
ACENAPHTHENE	UG/L	400	1U	1U	1U	1U	0.9U	1U
ACENAPHTHYLENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
ANTHRACENE	UG/L	2,000	1U	1U	1U	1U	0.9U	1U
BENZIDINE	UG/L	50	20U	20U	21U	19U	19U	20U
BENZO(a)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
BENZO(a)PYRENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
BENZO(b)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
BENZO(g,h,i)PERYLENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
BENZO(k)FLUORANTHENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
BENZYL BUTYL PHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1U	1U	1U	1U	0.9U	1U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1U	1UJ	1UJ	1U	0.9U	1U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	6J	16	2U	2U	2U
CHRYSENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
DI-n-BUTYL PHTHALATE	UG/L	900	2U	2U	2U	2U	2U	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2U	2U	2U	2U	2U	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
DIETHYL PHTHALATE	UG/L	5,000	2U	2U	2U	2U	2U	2U
DIMETHYL PHTHALATE	UG/L	NS	2U	2U	2U	2U	2U	2U
FLUORANTHENE	UG/L	300	1U	1U	1U	1U	0.9U	1U
FLUORENE	UG/L	300	1U	1U	1U	1U	0.9U	1U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Semi-Volatile Organic Constituents								
Semi-Volatile Organic Constituents cont'd								
HEXACHLOROBENZENE	UG/L	10	2U	2U	2U	1U	0.9U	1U
HEXACHLOROBUTADIENE	UG/L	1	2U	2U	2U	1U	0.9U	1U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5U	5U	5U	5U	5U	5U
HEXACHLOROETHANE	UG/L	10	1U	1U	1U	1U	0.9U	1U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
ISOPHORONE	UG/L	100	1U	1UJ	1UJ	1U	0.9U	1U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1U	1UJ	1UJ	1U	0.9U	1U
N-NITROSODIMETHYLAMINE	UG/L	20	2U	2U	2U	2U	2U	2U
N-NITROSODIPHENYLAMINE	UG/L	20	1U	1U	1U	2U	2U	2U
NAPHTHALENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
NITROBENZENE	UG/L	10	1U	1UJ	1UJ	1U	0.9U	1U
PENTACHLOROPHENOL	UG/L	1	3U	3U	3U	3U	3U	3U
PHENANTHRENE	UG/L	NS	1U	1U	1U	1U	0.9U	1U
PHENOL	UG/L	4,000	1U	1U	1U	1U	0.9U	1U
PYRENE	UG/L	200	1U	1U	1U	1U	0.9U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Semi-Volatile Organic Constituents				
1,2,4-TRICHLOROBENZENE	UG/L	9	1UJ	0.9U
1,2-DICHLOROBENZENE	UG/L	600	1UJ	0.9U
1,2-DIPHENYLHYDRAZINE	UG/L	0.04	1UJ	0.9U
1,3-DICHLOROBENZENE	UG/L	600	1UJ	0.9U
1,4-DICHLOROBENZENE	UG/L	75	1UJ	0.9U
2,4,6-TRICHLOROPHENOL	UG/L	20	1UJ	0.9U
2,4-DICHLOROPHENOL	UG/L	20	1UJ	0.9U
2,4-DIMETHYLPHENOL	UG/L	100	1UJ	0.9U
2,4-DINITROPHENOL	UG/L	40	19UJ	19U
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	1UJ	0.9U
2-CHLORONAPHTHALENE	UG/L	NS	1UJ	0.9U
2-CHLOROPHENOL	UG/L	40	1UJ	0.9U
2-NITROPHENOL	UG/L	NS	1UJ	0.9U
3,3'-DICHLOROBENZIDINE	UG/L	60	1UJ	0.9U
4,6-DINITRO-2-METHYLPHENOL	UG/L	NS	5UJ	5U
4-BROMOPHENYL PHENYL ETHER	UG/L	NS	1UJ	0.9U
4-CHLORO-3-METHYLPHENOL	UG/L	NS	1UJ	0.9U
4-CHLOROPHENYL PHENYL ETHER	UG/L	NS	1UJ	0.9U
4-NITROPHENOL	UG/L	NS	10UJ	9U
ACENAPHTHENE	UG/L	400	1UJ	0.9U
ACENAPHTHYLENE	UG/L	NS	1UJ	0.9U
ANTHRACENE	UG/L	2,000	1UJ	0.9U
BENZIDINE	UG/L	50	19UJ	19U
BENZO(a)ANTHRACENE	UG/L	NS	1UJ	0.9U
BENZO(a)PYRENE	UG/L	NS	1UJ	0.9U
BENZO(b)FLUORANTHENE	UG/L	NS	1UJ	0.9U
BENZO(g,h,i)PERYLENE	UG/L	NS	1UJ	0.9U
BENZO(k)FLUORANTHENE	UG/L	NS	1UJ	0.9U
BENZYL BUTYL PHTHALATE	UG/L	100	2UJ	2U
bis(2-CHLOROETHOXY) METHANE	UG/L	NS	1UJ	0.9U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/L	10	1UJ	0.9U
bis(2-CHLOROISOPROPYL) ETHER	UG/L	300	1UJ	0.9U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2UJ	2U
CHRYSENE	UG/L	NS	1UJ	0.9U
DI-n-BUTYL PHTHALATE	UG/L	900	2UJ	2U
DI-n-OCTYLPHTHALATE	UG/L	100	2UJ	2U
DIBENZ(a,h)ANTHRACENE	UG/L	NS	1UJ	0.9U
DIETHYL PHTHALATE	UG/L	5,000	2UJ	2U
DIMETHYL PHTHALATE	UG/L	NS	2UJ	2U
FLUORANTHENE	UG/L	300	1UJ	0.9U
FLUORENE	UG/L	300	1UJ	0.9U

Table 5

Analytical Results - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Semi-Volatile Organic Constituents				
Semi-Volatile Organic Constituents cont'd				
HEXACHLOROBENZENE	UG/L	10	1UJ	0.9U
HEXACHLOROBUTADIENE	UG/L	1	1UJ	0.9U
HEXACHLOROCYCLOPENTADIENE	UG/L	50	5UJ	5U
HEXACHLOROETHANE	UG/L	10	1UJ	0.9U
INDENO(1,2,3-c,d)PYRENE	UG/L	NS	1UJ	0.9U
ISOPHORONE	UG/L	100	1UJ	0.9U
N-NITROSODI-n-PROPYLAMINE	UG/L	20	1UJ	0.9U
N-NITROSODIMETHYLAMINE	UG/L	20	2UJ	2U
N-NITROSODIPHENYLAMINE	UG/L	20	2UJ	2U
NAPHTHALENE	UG/L	NS	1UJ	0.9U
NITROBENZENE	UG/L	10	1UJ	0.9U
PENTACHLOROPHENOL	UG/L	1	3UJ	3U
PHENANTHRENE	UG/L	NS	1UJ	0.9U
PHENOL	UG/L	4,000	1UJ	0.9U
PYRENE	UG/L	200	1UJ	0.9U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	1.61	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	1.76	0.2U	12.1	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.41J	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	2.71	0.2U	2.38	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	4.04	0.2U	1.47	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120UJ	120UJ	120UJ	120UJ	120UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	4U	4U	4U	4U	4U
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.69	2.47	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	11.2	124	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	2.02	17.2	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.61	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	2.83	20.6	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120UJ	120UJ	120UJ	120UJ	120UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	4U	4U
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.22J	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120UJ	120UJ	120UJ	120UJ	120UJ
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	4U	4U	4U	4U	4U
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120UJ	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	4U	4U	4U	NR	NR
TETRYL	UG/L	NS	0.2U	0.2UJ	0.2UJ	0.2U	0.2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.26J
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.51J
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.5J
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.5J
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	4U	5.7	4U	4U	NR
TETRYL	UG/L	NS	0.2UJ	0.2UJ	0.2UJ	0.2UJ	0.2U

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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	200U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	5	4U	89
TETRYL	UG/L	NS	0.2U	0.2U	0.2UJ	0.2UJ	0.2U

Notes:
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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.28J	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.7U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	4U	4U	4U	NR	NR
TETRYL	UG/L	NS	0.2U	0.2UJ	0.2UJ	0.2U	0.2U

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* = Value obtained from a 1:5 dilution
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NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	250U	120U	400U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	200U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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R = Data rejected based on data validation
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.8	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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N = Flashpoint not observed, heated to specific limit
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E = Indicates that the concentration exceeded the calibration range of the instrument
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ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	2U	0.2U	16.7	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	**280**	0.2U	1.18R	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	2U	0.2U	9.91J	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	2U	0.2U	16.1	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	6.3	0.69	0.2U	0.2U	0.22J
NITROBENZENE	UG/L	10	2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120UJ	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	40U	4U	4U	4U	4UJ
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP
Energetic & Explosive Constituents							
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	1.04	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	1.18U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	1.3UJ	1.3UJ	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	2.74J	0.36J	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	1.8R	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4UJ	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4UJ	4UJ	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
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* = Value obtained from a 1:5 dilution
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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.5J	0.2U	0.2UJ	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4UJ	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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NR = Not Reported
ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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* = Value obtained from a 1:5 dilution
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NR = Not Reported
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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP
Energetic & Explosive Constituents								
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.4R	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.53J	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	1.32	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.39J	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.97	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

Notes:
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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW
Energetic & Explosive Constituents						
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
2,4,6-TRINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
DIAZODINITROPHENOL	UG/L	NS	NR	NR	NR	NR
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U

Notes:
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ft. bgs = Feet below ground surface

Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW
Energetic & Explosive Constituents								
1,2-DINITROBENZENE	UG/L	NS	80U	0.2U	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/L	NS	80U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	80U	0.82R	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	**16140J**	44.3J	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE	UG/L	10	1530J	31.4R	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	80U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	99R	3.53R	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	80U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	80U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	NR	NR	0.2U	0.2U	0.2U	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	80U	0.36R	0.2U	0.2U	0.2U	5.07J
NITROBENZENE	UG/L	10	80U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	690	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	80U	17U	0.2U	0.2U	0.49J	2.96J
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	1600U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	80U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW
Energetic & Explosive Constituents								
1,2-DINITROBENZENE	UG/L	NS	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.31R	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.78	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW
Energetic & Explosive Constituents								
1,2-DINITROBENZENE	UG/L	NS	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW
Energetic & Explosive Constituents								
1,2-DINITROBENZENE	UG/L	NS	NR	NR	NR	NR	NR	NR
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.4U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW
Energetic & Explosive Constituents								
1,2-DINITROBENZENE	UG/L	NS	NR	NR	NR	NR	NR	0.2U
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	2.04
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	13.6
2,4/2,6-DINITROTOLUENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	1.65J
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	8.39
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.33J
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	12.6
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2U	0.2U	0.2U	0.89	0.2U	0.2UJ
NITROBENZENE	UG/L	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2U	0.53J	0.2U	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4U	4U	4U	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 6

Analytical Results - Energetic and Explosive Compounds
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Energetic & Explosive Constituents						
1,2-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
1,3,5-TRINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
1,3-DINITROBENZENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
2,4/2,6-DINITROTOLUENE_E&E	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
2,4/2,6-DINITROTOLUENE	UG/L	10	0.2U	0.2U	0.38J	0.2U
2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
2-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
3-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
4-AMINO-2,6-DINITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
4-NITROTOLUENE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.2UJ	0.2UJ	0.39J	0.2UJ
NITROBENZENE	UG/L	10	0.2U	0.2U	0.25J	0.2U
NITROGLYCERIN	UG/L	NS	120U	120U	120U	120U
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U
PENTAERYTHRITOL TETRANITRATE	UG/L	NS	4U	4U	4UJ	4U
PERCHLORATE	UG/L	NS	NR	NR	NR	NR
TETRYL	UG/L	NS	0.2U	0.2U	0.2UJ	0.2U

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW
Metals, Total							
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	5B	4.9U	5.2B	6.4B
BERYLLIUM	UG/L	20	1B	0.5U	0.5U	2.2B	1.3B
CADMIUM	UG/L	4	0.94U	1.8B	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	49.5	10.1B	2U	**266**	95.9
COPPER	UG/L	1,000	40.7	8U	3U	167	70.6
LEAD	UG/L	10	8.9U	8.9U	8.9U	**12B**	9.9B
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	22.5B	**411**	2.7U	73.5	35.4B
SELENIUM	UG/L	50	4.8U	20.4	4.8U	4.8U	4.8U
SILVER	UG/L	NS	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	**58.4**	9.5U	**19.4B**	9.5U
ZINC	UG/L	5,000	258J	2800J	29.6J	609J	253J

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP
Metals, Total							
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	7.7B	**8.5B**	4.9U	4.9U	**14**
BERYLLIUM	UG/L	20	2.4B	1.9B	3.4B	0.5U	2.9B
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	**169**	95.8	**303**	2U	**425**
COPPER	UG/L	1,000	142	86	167	2.6U	305
LEAD	UG/L	10	8.9U	**10.4B**	**20.1**	8.9U	**20.7**
MERCURY	UG/L	2	0.079U	0.095B	0.097B	0.079U	0.09B
NICKEL	UG/L	100	81.8	40.4B	**112**	3.1U	**185**
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NS	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	**23.3**	9.5U	**14B**	9.5U	**14.6B**
ZINC	UG/L	5,000	778J	491J	1450J	49.2UJ	2320J

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW
Metals, Total							
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	**9.4B**	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	2.9B	0.5U	2.1B	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	42.4	**369**	7.8B	**172**	19.6B
COPPER	UG/L	1,000	31.2	186	21.7B	113	22.5B
LEAD	UG/L	10	8.9U	**14.7B**	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.082B	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	20.6B	**120**	7.9U	77.4	11.7B
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NS	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	**10.4B**	9.5U	9.5U	9.5U
ZINC	UG/L	5,000	162J	1150J	69.8J	734J	82.3J

Notes:
GWQS = Groundwater Quality Standards (ug/L)
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ft. bgs = Feet below ground surface

Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP
Metals, Total							
ANTIMONY	UG/L	20	9.9U	9.9UN	9.9UN	5.9U	29.5U
ARSENIC	UG/L	8	**11.3**	5.9B	**17.2**	**24.3**	**72.6**
BERYLLIUM	UG/L	20	4.4B	1.2B	4.4B	7.5B	18.2B
CADMIUM	UG/L	4	0.94U	0.94UN	0.94UN	0.92U	3.2U
CHROMIUM, TOTAL	UG/L	100	55.2	99.5J	**423J**	**389**	**837**
COPPER	UG/L	1,000	97.1	61J	276J	422	686
LEAD	UG/L	10	8.9U	**13.8B**	**35.4**	76U	**124**
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.26U	1.1B
NICKEL	UG/L	100	**124**	31.5J	**168J**	**219**	**757**
SELENIUM	UG/L	50	8.4B	4.8U	8.1B	10B	21.5U
SILVER	UG/L	NS	1.4U	1.4U	1.4U	1.3U	6.5U
THALLIUM	UG/L	10	**20**	9.5U	9.5U	8.8U	55U
ZINC	UG/L	5,000	757J	244EN	2000EN	2000	4710

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW
Metals, Total							
ANTIMONY	UG/L	20	9.9UN	9.9UJ	9.9UN	9.9UN	5.9U
ARSENIC	UG/L	8	4.9U	**50.3**	4.9U	**16.4**	**10.2**
BERYLLIUM	UG/L	20	0.5U	7.5B	0.5U	4.7B	3B
CADMIUM	UG/L	4	0.94UN	0.94UJ	0.94UN	0.94UN	0.64U
CHROMIUM, TOTAL	UG/L	100	2J	**616J**	11.8J	**305J**	**165**
COPPER	UG/L	1,000	2.6J	350J	9.3J	212J	144
LEAD	UG/L	10	8.9U	**76.4**	8.9U	**27.5**	20.4U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.15B
NICKEL	UG/L	100	1.9J	**204J**	4J	82.9J	64
SELENIUM	UG/L	50	4.8U	25.9	4.8U	5.5B	4.3U
SILVER	UG/L	NS	1.4U	1.4U	1.4U	1.4U	1.3U
THALLIUM	UG/L	10	9.5U	**19.6B**	9.5U	9.5U	8.8U
ZINC	UG/L	5,000	4.9UEN	1490J	51.3EN	669EN	670

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F11-1 (12-15 ft. bgs) 4/17/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	29.5U	5.9U	29.5U	5.9U	29.5U	5.9U
ARSENIC	UG/L	8	**240**	**16.4**	**75.8**	**34.7**	**103**	3.7U
BERYLLIUM	UG/L	20	**56.5**	3.2B	**26.8B**	5.8B	**31B**	0.64U
CADMIUM	UG/L	4	3.2U	0.64UN*	3.2UN*	0.64UN*	3.2UN*	0.64UN*
CHROMIUM, TOTAL	UG/L	100	**2580**	75.2	**1500**	**127**	**2200**	4.5B
COPPER	UG/L	1,000	**2130**	152	**1090**	260	**1500**	6.2U
LEAD	UG/L	10	**343**	**36.9**	**140**	**82**	**309**	8.8U
MERCURY	UG/L	2	0.75B	0.19U	0.27U	0.12U	**3.2**	0.082U
NICKEL	UG/L	100	**1000**	52	**488**	**174**	**708**	7.8B
SELENIUM	UG/L	50	**85.8**	4.3U	**59.8**	4.3U	**78**	4.3U
SILVER	UG/L	NS	6.5U	1.3U	6.5U	1.3U	6.5U	1.3U
THALLIUM	UG/L	10	**59.5B**	**11.1B**	**90.6B**	**19.8B**	**87B**	8.8U
ZINC	UG/L	5,000	**6480**	493	**6320**	963	**11000**	38.2U

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F11-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP
Metals, Total							
ANTIMONY	UG/L	20	29.5U	9.9UN	9.9UN	9.9UN	49.5UN
ARSENIC	UG/L	8	**96**	4.9U	6.8B	**8.8B**	**155**
BERYLLIUM	UG/L	20	**23.6B**	0.6B	1.2B	1.1B	**30.6B**
CADMIUM	UG/L	4	3.2UN*	0.94UN	0.94UN	0.94UN	4.7UN
CHROMIUM, TOTAL	UG/L	100	**1190**	57.6J	70.8J	**109J**	**586J**
COPPER	UG/L	1,000	**1000**	45.8J	99.5J	68.7J	844J
LEAD	UG/L	10	**154**	**11.7B**	**11.2B**	**17.2B**	**195**
MERCURY	UG/L	2	0.49U	0.079U	0.079U	0.079U	1.9B
NICKEL	UG/L	100	**531**	24.4J	27J	39.4J	**456J**
SELENIUM	UG/L	50	42.7B	4.8U	4.8U	4.8U	24U
SILVER	UG/L	NS	6.5U	1.4U	1.4U	1.4U	7U
THALLIUM	UG/L	10	**49.4B**	9.5U	9.5U	9.5U	**93.7B**
ZINC	UG/L	5,000	**7640**	151EN	154EN	304EN	2030EN

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW	GW-F9-1 (57-60 ft. bgs) 4/13/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	9.9UN	49.5UN	5.9UN	5.9UN	5.9UN	5.9UN
ARSENIC	UG/L	8	4.9U	**124**	3.7U	3.7U	3.7U	3.7U
BERYLLIUM	UG/L	20	0.53B	**26.9B**	0.64U	1.6B	0.83B	0.64U
CADMIUM	UG/L	4	0.94UN	4.7UN	0.64U	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	79.4J	**663J**	3.2BN	57.2N	3.5BN	2.3BN
COPPER	UG/L	1,000	44.4J	906J	32.4	67.9	50	25.5
LEAD	UG/L	10	**11.6B**	**178**	8.8U	**11.3B**	**10.8B**	8.8U
MERCURY	UG/L	2	0.079U	1.8B	0.062BN	0.045BN	0.026UN	0.1BN
NICKEL	UG/L	100	28.9J	**515J**	11.1B	33.2B	12.1B	9.9B
SELENIUM	UG/L	50	4.8U	45B	4.3U	4.3U	4.3U	4.3U
SILVER	UG/L	NS	1.4U	7U	1.3U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	9.5U	47.5U	8.8U	8.8U	8.8U	8.8U
ZINC	UG/L	5,000	238EN	3100EN	295N	247N	97.2N	53.7N

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	29.5U	29.5U	29.5U	8B	5.9U	6.9B
ARSENIC	UG/L	8	**155**	**99.7**	**89.9**	**52.9**	**8B**	**33.4**
BERYLLIUM	UG/L	20	**31.4B**	**22B**	**27.6B**	14.1	1.4B	5.8B
CADMIUM	UG/L	4	3.2UN*	3.2UN*	3.2UN*	1.5U	0.64UN*	0.64UN*
CHROMIUM, TOTAL	UG/L	100	**466**	**2970**	**413**	**678**	36.2	**828**
COPPER	UG/L	1,000	**1050**	**1670**	701	494	74	433
LEAD	UG/L	10	**192**	**201**	**165**	**84.2**	**17.4B**	**73**
MERCURY	UG/L	2	**4.9**	**4.8**	0.41U	1.4B	0.15U	1.1B
NICKEL	UG/L	100	**292**	**904**	**327**	**256**	58.4	**287**
SELENIUM	UG/L	50	47.2B	**62.8**	30.6B	4.3U	4.3U	4.3U
SILVER	UG/L	NS	6.5U	6.5U	6.5U	1.3U	1.3U	1.6B
THALLIUM	UG/L	10	44U	**99B**	44U	8.8U	8.8U	**25**
ZINC	UG/L	5,000	2900	**7750**	**8230**	2410	247	3010

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5U	5.9UN	5.9UN	5.9U	5.9U
ARSENIC	UG/L	8	**19.7**	**80.5**	**28.4J**	**23.2J**	6.4B	**12.8**
BERYLLIUM	UG/L	20	1.8B	13.9B	5.5B	5.9B	0.64U	5B
CADMIUM	UG/L	4	0.64U	3.2U	2.9BN	3.3UJ	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	99.7	**1200**	**352J**	**287J**	10.5B	**551**
COPPER	UG/L	1,000	111	954	181J	196J	19.2B	314
LEAD	UG/L	10	29.8U	96U	**91.5**	**62**	8.8U	14.5U
MERCURY	UG/L	2	0.026U	0.28B	0.15U	0.098UJ	0.026U	0.26U
NICKEL	UG/L	100	60.3	**838**	**162J**	**157J**	9.7B	**237**
SELENIUM	UG/L	50	4.3U	21.5U	6.1B	9.4B	4.3U	6.4B
SILVER	UG/L	NS	1.3U	6.5U	1.3U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	8.8U	55.8U	8.8U	9B	8.8U	8.8U
ZINC	UG/L	5,000	344	**10500**	987J	1670J	71.1	1780

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G6-1 (21-24 ft. bgs) 4/12/2001 SHALLOW	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	5.9UN	29.5UN	29.5UN	29.5UN
ARSENIC	UG/L	8	**35.8**	**31.5**	3.7U	**37.9B**	**143**	**52**
BERYLLIUM	UG/L	20	4.7B	6.1B	1.8B	12.2B	**51.6**	14.7B
CADMIUM	UG/L	4	0.64U	0.64U	1.2B	3.2U	3.2U	3.2U
CHROMIUM, TOTAL	UG/L	100	**238**	**841**	84.1N	**247N**	**1450N**	**607N**
COPPER	UG/L	1,000	254	579	61.9	353	**1260**	773
LEAD	UG/L	10	64.3U	38.4U	8.8B	**84.6B**	**322**	**103**
MERCURY	UG/L	2	0.26U	0.26U	0.58N	0.36N	**2.9N**	0.5N
NICKEL	UG/L	100	**135**	**453**	37.1B	**183B**	**704**	**385**
SELENIUM	UG/L	50	8.2B	12	4.3U	21.5U	21.5U	21.5U
SILVER	UG/L	NS	1.3U	1.3U	1.3U	6.5U	6.5U	6.5U
THALLIUM	UG/L	10	8.8U	**16.3B**	8.8U	44U	**46.2B**	44U
ZINC	UG/L	5,000	862	1740	349N	1960N	**5750N**	**10500N**

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW	GW-G9-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	29.5UN	29.5UN	5.9UN	**37.2BN**	**32J**	5.9UN
ARSENIC	UG/L	8	**26.3B**	**42B**	3.7U	**116***	**119***	17.6U
BERYLLIUM	UG/L	20	10.6B	13.5B	0.64U	5.9B	6.6B	1.3B
CADMIUM	UG/L	4	3.2U	3.2U	0.64U	3.2U	3.2U	0.64U
CHROMIUM, TOTAL	UG/L	100	**708N**	**304N**	1.7BN	**175**	**994**	60.1
COPPER	UG/L	1,000	390	412	23.1B	413N	483J	63.5N
LEAD	UG/L	10	**71.9B**	**123**	8.8U	**911**	**5930**	**13.8B**
MERCURY	UG/L	2	**2.4N**	0.7N	0.026UN	**13.7N**	**3J**	0.091U
NICKEL	UG/L	100	**213B**	**177B**	1.6U	**115BN**	**232BN**	30.3BN
SELENIUM	UG/L	50	21.5U	21.5U	4.3U	28.8BN	30.2J	4.3UN
SILVER	UG/L	NS	6.5U	6.5U	1.3U	14B	11.9B	1.3U
THALLIUM	UG/L	10	44U	44U	8.8U	44U	44U	8.8U
ZINC	UG/L	5,000	2450N	1660N	111N	936	3130	384

Notes:
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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9UN	5.9U	59U	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**87.4***	**21.5**	**301**	**14.2**	**35.9**	7.6B
BERYLLIUM	UG/L	20	7.7B	2B	**97B**	1.4B	5B	0.64U
CADMIUM	UG/L	4	0.64U	0.64UN*	6.4UN*	0.64UN*	0.64UN*	0.64U
CHROMIUM, TOTAL	UG/L	100	**646**	75.1	**5110**	56	**670**	42.5
COPPER	UG/L	1,000	371N	98.5	**4830**	77.5	321	46
LEAD	UG/L	10	**84.3**	**24.5**	**931**	**24.8**	**47.4**	8.8U
MERCURY	UG/L	2	0.88N	0.23U	**5.2**	0.082U	1.2B	0.026U
NICKEL	UG/L	100	**253N**	41.3B	**2060**	34.7B	**166**	28.5B
SELENIUM	UG/L	50	4.3UN	4.3U	**204**	4.3U	4.3U	4.3U
SILVER	UG/L	NS	1.3U	1.3U	13U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	**13.1B**	8.8U	**297**	8.8U	**21.7**	8.8U
ZINC	UG/L	5,000	1580	223	**22600**	185	1260	409

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Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	29.5U	29.5U	59U	5.9UN	5.9UN	5.9UN
ARSENIC	UG/L	8	**43.2B**	**81.7**	**152**	6.3B	**14.2**	7.6B
BERYLLIUM	UG/L	20	12.2B	16.2B	**53.2B**	2.3B	3.9B	3.1B
CADMIUM	UG/L	4	**14.5B**	3.2U	6.4U	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	**1300**	**1110**	**3070**	51.2N	**183N**	**112N**
COPPER	UG/L	1,000	733	629	**1830**	74.8	132	103
LEAD	UG/L	10	**48.9B**	**160**	**466**	**13.8B**	**24.6**	**17.9B**
MERCURY	UG/L	2	0.26U	0.037U	0.026U	**6.2N**	**2.5N**	0.13BN
NICKEL	UG/L	100	**530**	**333**	**923**	29B	60.3	55.6
SELENIUM	UG/L	50	21.5U	21.5U	43U	4.3U	4.8B	4.3U
SILVER	UG/L	NS	6.5U	617	1930	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	44U	44U	88U	8.8U	8.9B	8.8U
ZINC	UG/L	5,000	**5440**	3610	**8670**	323N	905N	768N

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	29.5UN	29.5U	29.5U	5.9UN	**69.4BN**	5.9UN
ARSENIC	UG/L	8	**109**	**77.8**	**74.8**	25.4U	**291***	17.8U
BERYLLIUM	UG/L	20	**32.6B**	**24.2B**	**24B**	6.1B	**60.7B**	2.4B
CADMIUM	UG/L	4	3.2U	**6.5B**	**6.4B**	0.64U	6.4U	0.64U
CHROMIUM, TOTAL	UG/L	100	**1710N**	**715**	**1120**	**179**	**2760**	**137**
COPPER	UG/L	1,000	**1560**	724	779	176N	**2250N**	120N
LEAD	UG/L	10	**166**	**279**	**264**	**31.8**	**334**	**23.1**
MERCURY	UG/L	2	**5.2N**	**2B**	0.48U	0.25U	**3N**	0.12U
NICKEL	UG/L	100	**891**	**324**	**369**	58.3N	**1230N**	57.9N
SELENIUM	UG/L	50	21.5U	21.5U	21.5U	4.3UN	43UN	4.3UN
SILVER	UG/L	NS	6.5U	28.6B	6.5U	1.3U	26.9B	1.3U
THALLIUM	UG/L	10	**60.6B**	44U	44U	8.8U	**156B**	8.8U
ZINC	UG/L	5,000	**12300N**	2920	2650	365	**10400**	317

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-I12-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9UN	6.6B	148U	5.9UN	5.9UN	5.9U
ARSENIC	UG/L	8	**58***	**20.6J**	**466J**	5.1U	**41.4***	**48.4**
BERYLLIUM	UG/L	20	8.1B	3.2B	**118B**	0.64U	10.6	8B
CADMIUM	UG/L	4	0.64U	0.75U	16U	0.64U	2.6B	**17.4**
CHROMIUM, TOTAL	UG/L	100	**1160**	**194J**	**5530J**	10.9B	**254**	**395**
COPPER	UG/L	1,000	550N	175J	**4040J**	25.6N	373N	316
LEAD	UG/L	10	**60.4**	**181J**	**964J**	8.8U	**63.8**	**92.9**
MERCURY	UG/L	2	0.51N	0.052B	**12.7**	0.037U	1.6N	0.026U
NICKEL	UG/L	100	**344N**	81J	**2170J**	8.5BN	**300N**	**166**
SELENIUM	UG/L	50	14.1N	4.3U	108U	4.3UN	6.9BN	4.3U
SILVER	UG/L	NS	1.3U	2.2U	32.5U	1.3U	1.3U	2.3B
THALLIUM	UG/L	10	**15.2B**	8.8U	220U	8.8U	**12.3B**	8.8U
ZINC	UG/L	5,000	2660	991J	**14500J**	86.9	2150	2360

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	29.5U	29.5U	29.5U	59U	5.9UN	59UN
ARSENIC	UG/L	8	**114**	**147**	**89.5**	**252**	15.6U	**198***
BERYLLIUM	UG/L	20	**25.2B**	**35.6B**	**21.8B**	**69.2B**	3.5B	**60.4B**
CADMIUM	UG/L	4	3.2U	3.2U	3.2U	6.4U	0.64U	6.4U
CHROMIUM, TOTAL	UG/L	100	**1630**	**1130**	**1050**	**2700**	**108**	**2910**
COPPER	UG/L	1,000	994	**1340**	874	**2200**	130N	**2380N**
LEAD	UG/L	10	**303**	**309**	**200**	**614**	**22.5**	**574**
MERCURY	UG/L	2	0.026U	0.065U	0.026U	1.7B	0.12U	1.9N
NICKEL	UG/L	100	**473**	**634**	**393**	**1160**	60.4N	**1060N**
SELENIUM	UG/L	50	21.5U	21.5U	21.5U	43U	4.3UN	43UN
SILVER	UG/L	NS	6.5U	6.5U	6.5U	13U	1.3U	26B
THALLIUM	UG/L	10	**56.5B**	**65.3B**	44U	**120B**	8.8U	**126B**
ZINC	UG/L	5,000	4180	4440	2950	**7970**	339	**11600**

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Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (20-23 ft. bgs) 5/4/2001 SHALLOW	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9UN	**182BN**	5.9U	13.9B	5.9U	5.9U
ARSENIC	UG/L	8	11.9U	**294***	**20.5J**	**32.6J**	3.7U	**51.1**
BERYLLIUM	UG/L	20	2.3B	**193B**	3.9B	5.6B	0.64U	9.6B
CADMIUM	UG/L	4	0.64U	12.8U	0.79U	1U	0.64U	**22.2**
CHROMIUM, TOTAL	UG/L	100	**125**	**13500**	**209J**	**734J**	4B	**448**
COPPER	UG/L	1,000	125N	**7680N**	194J	383J	4.8U	396
LEAD	UG/L	10	**14.5B**	**1290**	27.9UJ	31.5UJ	8.8U	**110**
MERCURY	UG/L	2	0.073U	**4N**	0.026U	0.26U	0.077U	0.16U
NICKEL	UG/L	100	65N	**3620N**	98.6J	**324J**	4.7B	**190**
SELENIUM	UG/L	50	4.3UN	**126BN**	4.3U	4.3B	4.3U	4.3U
SILVER	UG/L	NS	1.3U	40.6B	1.3U	2.5U	1.3U	1.7B
THALLIUM	UG/L	10	8.8U	**401**	**13.7B**	**33.4**	8.8U	8.8U
ZINC	UG/L	5,000	1180	**39000**	1950J	4350J	49.2	1310

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Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J12-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5U	5.9U	29.5U	5.9U	10B
ARSENIC	UG/L	8	6.5J	**102J**	**10.7**	**125**	**20.2**	**23.3J**
BERYLLIUM	UG/L	20	0.64U	**24B**	0.64U	**47.2B**	4.4B	3.5B
CADMIUM	UG/L	4	0.64U	3.2U	3.1B	3.2U	**11.7**	0.64U
CHROMIUM, TOTAL	UG/L	100	29.8J	**991J**	10.2B	**1690**	**215**	**159J**
COPPER	UG/L	1,000	14.5J	931J	7.4U	**1770**	154	146J
LEAD	UG/L	10	8.8J	**196J**	8.8U	**325**	**34.1**	27UJ
MERCURY	UG/L	2	0.026U	1.3B	0.21U	1.1B	0.042U	0.026U
NICKEL	UG/L	100	7.5J	**406J**	4B	**824**	87.3	77.7J
SELENIUM	UG/L	50	4.3U	21.5U	4.3U	33.2B	4.3U	4.5B
SILVER	UG/L	NS	1.3U	6.5U	1.3U	6.5U	1.3U	1.3U
THALLIUM	UG/L	10	8.8U	44U	8.8U	**53.2B**	8.8U	8.8U
ZINC	UG/L	5,000	50.8UJ	3910J	40.8	**9590**	900	906J

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GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP	GW-J9-1 (20-23 ft. bgs) 4/24/2001 SHALLOW	GW-K10-1 (17-20 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	5.9UN	5.9UN	5.9U	5.9U
ARSENIC	UG/L	8	6.7J	3.7U	**48.7***	3.7U*	3.7U	**33.2**
BERYLLIUM	UG/L	20	2.7B	0.64U	8.4B	0.64U	0.64U	5.8B
CADMIUM	UG/L	4	4.9U	0.64U	0.64U	0.64U	0.64U	**4.4B**
CHROMIUM, TOTAL	UG/L	100	**289J**	11.7B	**859**	4.1B	27.5B	**357**
COPPER	UG/L	1,000	141J	14.8B	524N	2.4UN	10U	409
LEAD	UG/L	10	**67.2J**	8.8U	**55.1**	8.8U	8.8U	**91.1**
MERCURY	UG/L	2	0.026U	0.044U	0.79N	0.038U	0.026U	0.026U
NICKEL	UG/L	100	**129J**	8.2B	**363N**	7.6BN	8.2U	**175**
SELENIUM	UG/L	50	4.3U	4.3U	7.1BN	4.3UN	4.3U	4.3U
SILVER	UG/L	NS	1.3U	1.3U	1.3U	1.3U	1.3U	1.7B
THALLIUM	UG/L	10	8.8U	8.8U	**15.1B**	8.8U	8.8U	**12.5B**
ZINC	UG/L	5,000	1130J	85.8	4670	33	27.4U	4410

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GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	6.4B	10.2B	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**48.4**	**20.3J**	**28.9J**	**8J**	6.4J	**15.4**
BERYLLIUM	UG/L	20	7.8B	4.5B	4.6B	1.4B	1.1B	1.9B
CADMIUM	UG/L	4	**4.5B**	0.64U	0.64U	1.3U	0.91U	0.64U
CHROMIUM, TOTAL	UG/L	100	**766**	**117J**	**462J**	19.6J	**102J**	36.7
COPPER	UG/L	1,000	491	112J	264J	36.7J	54.4J	53.4
LEAD	UG/L	10	**134**	18.7UJ	34.7UJ	13.7UJ	12.2UJ	**20.3**
MERCURY	UG/L	2	0.19U	0.026U	0.026U	0.026U	0.026U	0.097U
NICKEL	UG/L	100	**274**	67.8J	**171J**	18.6J	36.5J	26B
SELENIUM	UG/L	50	4.3U	4.3U	4.3U	4.3U	4.3U	4.3U
SILVER	UG/L	NS	2.4B	1.8U	2U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	**23.6**	8.8U	**11.8B**	8.8U	8.8U	8.8U
ZINC	UG/L	5,000	3250	457J	2270J	156J	326J	155

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
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E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-K9-1 (22-25 ft. bgs) 4/26/2001 SHALLOW	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP
Metals, Total							
ANTIMONY	UG/L	20	10.4B	5.9U	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**73.1**	3.7J	3.7U	**8.5B**	3.7U
BERYLLIUM	UG/L	20	10.7	0.64U	1.4B	1.7B	1B
CADMIUM	UG/L	4	0.64U	0.64U	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	**910**	4.2J	13.7B	67.7	94.2
COPPER	UG/L	1,000	626	2.6J	26.3	34.6	30.4
LEAD	UG/L	10	**105**	8.8J	8.8U	**15B**	8.8U
MERCURY	UG/L	2	0.24U	0.026U	0.026U	0.084U	0.077U
NICKEL	UG/L	100	**312**	4.2UJ	14.8U	28.4U	22.8U
SELENIUM	UG/L	50	15.8	4.3U	4.3U	4.3U	4.3U
SILVER	UG/L	NS	1.3U	1.4U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	**25**	8.8U	8.8U	8.8U	8.8U
ZINC	UG/L	5,000	2430	27.4UJ	62.8U	156	303

Notes:
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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L9-1 (25-28 ft. bgs) 4/27/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	5.9U	5.9U	5.9U	7.9B
ARSENIC	UG/L	8	3.7U	3.7U	3.7J	4B	**46.7**	**49.7**
BERYLLIUM	UG/L	20	0.64U	2.1B	0.73B	0.67B	8.2B	**25.7**
CADMIUM	UG/L	4	0.64U	0.64U	0.9U	0.64U	1.1B	0.64U
CHROMIUM, TOTAL	UG/L	100	4.4B	36.2	41.2J	11.8B	**334**	**790**
COPPER	UG/L	1,000	12.9U	41.3	23.4J	17.3U	311	423
LEAD	UG/L	10	8.8U	**10.4B**	10.2UJ	**10.4B**	**76.6**	**240**
MERCURY	UG/L	2	0.026U	0.037U	0.026U	0.026U	0.26U	1.4U
NICKEL	UG/L	100	6.3U	27.3U	12.9UJ	15.7U	**187**	**309**
SELENIUM	UG/L	50	4.3U	4.3U	4.3U	4.3U	4.3U	6.4B
SILVER	UG/L	NS	1.3U	1.3U	1.3U	1.3U	2B	2.3B
THALLIUM	UG/L	10	**11.9B**	8.8U	8.8U	8.8B	8.8B	**30.2**
ZINC	UG/L	5,000	37.4U	252	62.1UJ	262	1760	**7700**

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	29.5UN	**20.8**	12.6B	9.1B
ARSENIC	UG/L	8	**37.2**	**11.8**	18.5U	**41.7J**	**55.2J**	**11.2J**
BERYLLIUM	UG/L	20	10.8	2.3B	7.6B	15.9	3.9B	2.5B
CADMIUM	UG/L	4	0.64U	0.64U	3.2U	0.64U	**19.2**	3.3U
CHROMIUM, TOTAL	UG/L	100	**568**	46.8	**397N**	**496J**	**636J**	**735J**
COPPER	UG/L	1,000	451	76.4	372	461J	927J	201J
LEAD	UG/L	10	**620**	**17.4B**	44U	**102J**	**920J**	12.1UJ
MERCURY	UG/L	2	1.3U	0.089U	0.45N	0.26U	0.75B	0.26U
NICKEL	UG/L	100	**197**	32.2U	**118**	**280J**	**191J**	**208J**
SELENIUM	UG/L	50	4.3U	4.3U	21.5U	17.5	7.2B	4.3U
SILVER	UG/L	NS	3B	1.3U	6.5U	3.8U	10.5B	1.4U
THALLIUM	UG/L	10	**22.8**	8.8U	44U	**12.6B**	**12.3B**	**23.1**
ZINC	UG/L	5,000	2270	163	2030N	3700J	**15700J**	704J

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	11.8B	5.9U	5.9U	5.9U	5.9U	29.5U
ARSENIC	UG/L	8	**31.9J**	**9.9B**	**12.7**	**18.7**	**13.9**	**49.8B**
BERYLLIUM	UG/L	20	5.7B	1.8B	2.6B	3.1B	2.7B	**33.3B**
CADMIUM	UG/L	4	4.7U	0.64U	0.64U	**8.3B**	**7.4B**	3.2U
CHROMIUM, TOTAL	UG/L	100	**539J**	**145**	**380**	**225**	**174**	**487**
COPPER	UG/L	1,000	248J	81.6	191	145	108	**1560**
LEAD	UG/L	10	**35J**	19.5U	29.2U	**31.5**	**26.6**	**348**
MERCURY	UG/L	2	0.26U	0.034B	0.069B	0.026U	0.026U	0.71U
NICKEL	UG/L	100	**143J**	54	**114**	83.2	61.7	**382**
SELENIUM	UG/L	50	4.3U	4.3U	4.4B	4.3U	4.3U	21.5U
SILVER	UG/L	NS	2.5U	1.3U	1.3U	1.4B	1.3U	6.5U
THALLIUM	UG/L	10	**19B**	8.8U	8.8U	8.8U	8.8U	**51.5B**
ZINC	UG/L	5,000	816J	389	1430	925	500	**18300**

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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-N8-1 (37-40 ft. bgs) 5/1/2001 DEEP	GW-N9-1 (15-18 ft. bgs) 5/1/2001 SHALLOW	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	6.2B	5.9UN	5.9U	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**17.6**	**10.3**	3.7U	3.7U	3.7U	3.7U
BERYLLIUM	UG/L	20	8.6B	2.3B	0.64U	0.64U	0.64U	3.5B
CADMIUM	UG/L	4	**22.6**	0.64U	0.64U	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	**124**	70.4N	1.7U	14.1B	11.4B	**133**
COPPER	UG/L	1,000	352	56.9	2.4U	9.3U	2.9B	90.3
LEAD	UG/L	10	**80.4**	**15B**	8.8U	8.8U	8.8U	22.1U
MERCURY	UG/L	2	0.14U	0.029BN	0.041U	0.079U	0.026U	0.15B
NICKEL	UG/L	100	**119**	39B	1.6U	8.8U	2.8B	41.2B
SELENIUM	UG/L	50	4.3U	4.3U	4.3U	4.3U	4.3U	4.3U
SILVER	UG/L	NS	3B	1.3U	1.3U	1.3U	1.3U	1.3U
THALLIUM	UG/L	10	8.8U	8.8U	8.9B	8.8U	8.8U	8.8U
ZINC	UG/L	5,000	4440	587N	8.3U	33.2U	29.4	481

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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-19 8/22/2002 SHALLOW	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	5.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	**13.7**	**9B**	**50.7**	4.9U	**9B**	4.9U
BERYLLIUM	UG/L	20	4.5B	1.2B	7.3B	1.7B	0.5U	0.5U
CADMIUM	UG/L	4	0.64U	0.64U	0.64U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	**249**	**123**	**582**	10.8B	2.8B	2U
COPPER	UG/L	1,000	150	48.1	309	26.3	8.4B	3.5B
LEAD	UG/L	10	31.6U	8.8U	**55.3**	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.03B	0.099U	0.026U	0.18B	0.079U	0.079U
NICKEL	UG/L	100	75.4	35.9U	**204**	9.6B	10.3B	1.9U
SELENIUM	UG/L	50	5.3B	4.3U	4.3U	4.8U	4.8U	4.8U
SILVER	UG/L	NS	1.3U	1.5B	1.5B	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	8.8U	**17.1B**	**15.6B**	9.5U	**139**	**30.8**
ZINC	UG/L	5,000	484	275	1530	65.3	24B	10.8B

Notes:
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U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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Table 7

Analytical Results - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Metals, Total				
ANTIMONY	UG/L	20	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	3.7B	2U
COPPER	UG/L	1,000	18B	13.6B
LEAD	UG/L	10	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U
NICKEL	UG/L	100	5.6B	5.8B
SELENIUM	UG/L	50	4.8U	4.8U
SILVER	UG/L	NS	1.4U	1.4U
THALLIUM	UG/L	10	**91.6**	**115**
ZINC	UG/L	5,000	15.9B	249

Notes:
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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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ft. bgs = Feet below ground surface

Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 09/17/2002 SHALLOW	GW-A14-01 (57-60 ft. bgs) 09/16/2002 DEEP	GW-A14-02 (22-25 ft. bgs) 09/17/2002 SHALLOW	GW-A14-02 (57-60 ft. bgs) 09/17/2002 DEEP	GW-A15-01 (22-25 ft. bgs) 09/17/2002 SHALLOW	GW-A15-01 (57-60 ft. bgs) 09/17/2002 DEEP
Metals, Dissolved								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	4.9UJ	4.9UJ	4.9UJ	4.9UJ	4.9UJ
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	2.1B	2U	2U	2U	2U
COPPER	UG/L	1000	2.6U	6.8B	2.6U	2.6U	2.6U	2.6U
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	6.2B	19.3B	1.9U	3.4B	7.3B	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5000	56.6	17.1U	9.3U	4.9U	14U	5.2U

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* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
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Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-AA13-01 (22-25 ft. bgs) 09/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 09/16/2002 DEEP	GW-B15-01 (22-25 ft. bgs) 09/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 09/18/2002 DEEP	GW-B15-02 (22-25 ft. bgs) 09/18/2002 SHALLOW	GW-B15-02 (57-60 ft. bgs) 09/18/2002 DEEP
Metals, Dissolved								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	4.9UJ	4.9UJ	4.9UJ	4.9UJ	4.9UJ
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	3.4B	2U	2U	2U	2U
COPPER	UG/L	1000	2.6U	2.6U	2.6U	2.6U	2.6U	2.6U
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	4.7B	8.4B	1.9U	3.5B	4.7B	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5000	80.5	121	21.1U	7.3U	36.7	6.2U

Notes:
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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-01 (22-25 ft. bgs) 09/18/2002 SHALLOW	GW-C16-01 (57-60 ft. bgs) 09/18/2002 DEEP	GW-C16-02 (22-25 ft. bgs) 09/19/2002 SHALLOW	GW-C16-02 (57-60 ft. bgs) 09/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 09/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 09/19/2002 DEEP
Metals, Dissolved								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	4.9UJ	4.9UJ	4.9UJ	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	2U	2U	2U	13B	10B
COPPER	UG/L	1000	2.6U	2.6U	2.6U	2.6U	8.1B	5.8B
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.13U	0.079U
NICKEL	UG/L	100	1.9U	1.9U	1.9U	1.9B	6.4B	13.8B
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5000	7.1U	4.9U	7.2U	19.6U	34.4	56.1

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-02 (22-25 ft. bgs) 09/20/2002 SHALLOW	GW-E16-02 (57-60 ft. bgs) 09/20/2002 DEEP	GW-E16-03 (22-25 ft. bgs) 09/19/2002 SHALLOW	GW-E16-03 (57-60 ft. bgs) 09/20/2002 DEEP	GW-F14-01 (22-25 ft. bgs) 09/20/2002 SHALLOW	GW-F14-01 (57-60 ft. bgs) 09/20/2002 DEEP
Metals, Dissolved								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9U	4.9U	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	2U	4.2B	8.9B	2U	2U
COPPER	UG/L	1000	2.6U	2.6U	3.5U	6.9B	2.6U	2.6U
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.094U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	1.9U	8.6B	1.9U	4.1B	2.5B	1.9U
SELENIUM	UG/L	50	4.8U	6.4B	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	12.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5000	6.1B	5.2B	13.7B	25.4	4.9U	4.9U

Notes:
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B = Indicates that the compound was found in the associated blank
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R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-01 (22-25 ft. bgs) 09/23/2002 SHALLOW	GW-F15-01 (57-60 ft. bgs) 09/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 09/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 09/20/2002 DEEP	MW-19 08/22/2002 SHALLOW	MW-20 08/22/2002 SHALLOW	MW-21 08/22/2002 SHALLOW
Metals, Dissolved									
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9U	4.9U	4.9U	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	2.2B	2U	2U	2.6B	2U	2U
COPPER	UG/L	1000	2.6U	4.5U	2.6U	2.6U	2.6U	2.6U	3.7U
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079UJ	0.079UJ	0.079UJ
NICKEL	UG/L	100	4.2B	2.7B	4.2B	1.9U	2U	2.2U	2.4B
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	9.5UJ	**17.8BJ**	**18.4BJ**
ZINC	UG/L	5000	5.8B	11.9B	5.4B	4.9U	4.9UJ	4.9UJ	9.2BJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 8

Analytical Results - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-24 08/21/2002 SHALLOW	MW-25 08/22/2002 SHALLOW
Metals, Dissolved				
ANTIMONY	UG/L	20	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2.6B	2U
COPPER	UG/L	1000	3.2U	2.6U
LEAD	UG/L	10	8.9U	8.9U
MERCURY	UG/L	2	0.079UJ	0.079UJ
NICKEL	UG/L	100	4B	2.3B
SELENIUM	UG/L	50	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U
THALLIUM	UG/L	10	9.5UJ	9.5UJ
ZINC	UG/L	5000	7.4BJ	11.1BJ

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 9

Analytical Results - PCBs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F11-1 (12-15 ft. bgs) 04/17/2001 SHALLOW	GW-F11-1 (57-60 ft. bgs) 04/17/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 04/16/2001 SHALLOW	GW-G11-1 (57-60 ft. bgs) 04/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 04/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 04/17/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 04/17/2001 SHALLOW
Polychlorinated Biphenyls (PCBs)									
PCB-1016 (AROCHLOR 1016)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1221 (AROCHLOR 1221)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1232 (AROCHLOR 1232)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1242 (AROCHLOR 1242)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1248 (AROCHLOR 1248)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1254 (AROCHLOR 1254)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
PCB-1260 (AROCHLOR 1260)	UG/L	NS	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U
Total PCBs	UG/L	0.5	0.099U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U

Notes:

GWQS = Groundwater Quality Standards (ug/L)

NS = No Standard

BOLD = Indicates concentration exceeds Groundwater Quality Criteria

J = Value is less than the reporting limit but greater than zero, is an estimated value

U = Indicates that the compound was analyzed for but not detected

B = Indicates that the compound was found in the associated blank

N = Flashpoint not observed, heated to specific limit

R = Data rejected based on data validation

D = Indicates compound was found in analysis as a secondary dilution factor

* = Value obtained from a 1:5 dilution

+ = Value obtained from a 1:10 dilution

E = Indicates that the concentration exceeded the calibration range of the instrument

ft. bgs = Feet below ground surface

Table 9

Analytical Results - PCBs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H12-1 (57-60 ft. bgs) 04/17/2001 DEEP	GW-H13-1 (12-15 ft. bgs) 04/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 04/17/2001 DEEP
Polychlorinated Biphenyls (PCBs)					
PCB-1016 (AROCHLOR 1016)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1221 (AROCHLOR 1221)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1232 (AROCHLOR 1232)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1242 (AROCHLOR 1242)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1248 (AROCHLOR 1248)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1254 (AROCHLOR 1254)	UG/L	NS	0.2U	0.1U	0.1U
PCB-1260 (AROCHLOR 1260)	UG/L	NS	0.2U	0.1U	0.1U
Total PCBs	UG/L	0.5	0.2U	0.1U	0.1U

Notes:

GWQS = Groundwater Quality Standards (ug/L)

NS = No Standard

BOLD = Indicates concentration exceeds Groundwater Quality Criteria

J = Value is less than the reporting limit but greater than zero, is an estimated value

U = Indicates that the compound was analyzed for but not detected

B = Indicates that the compound was found in the associated blank

N = Flashpoint not observed, heated to specific limit

R = Data rejected based on data validation

D = Indicates compound was found in analysis as a secondary dilution factor

* = Value obtained from a 1:5 dilution

+ = Value obtained from a 1:10 dilution

E = Indicates that the concentration exceeded the calibration range of the instrument

ft. bgs = Feet below ground surface

Table 10

Analytical Results - General Chemistry
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I11-1 (20-23 ft. bgs) 04/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 04/26/2001 DEEP	GW-I12-1 (17-20 ft. bgs) 04/20/2001 SHALLOW	GW-I12-1 (57-60 ft. bgs) 04/20/2001 DEEP	GW-J12-1 (22-25 ft. bgs) 04/26/2001 SHALLOW	GW-J12-1 (52-55 ft. bgs) 04/26/2001 DEEP
General Chemistry								
NITROGEN, AMMONIA (AS N)	MG/L	NS	0.26J	0.64J	0.6J	1.1J	0.21J	0.38J
NITROGEN, NITRATE (AS N)	MG/L	10	0.31	0.18	0.04U	0.23	0.04U	0.16
NITROGEN, NITRITE	MG/L	1	0.084	0.074	0.076	0.063	0.074	0.07

Notes:
GWQS = Groundwater Quality Standards
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J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 11

Exceedance Summary - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW
Volatile Organic Constituents							
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.8U	**11**	0.9J	0.8U	2J
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	**6**	**1J**	**1J**	**3J**
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	**2J**	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 11

Exceedance Summary - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW
Volatile Organic Constituents								
cis-1,2-DICHLOROETHYLENE	UG/L	10	0.9J	1U	1U	1U	1U	1U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	**2J**	1U	1U	1U	1U
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	**2J**	**18**	**4J**	**2J**

Notes:
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U = Indicates that the compound was analyzed for but not detected
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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 11

Exceedance Summary - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP
Volatile Organic Constituents								
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**2J**	**1J**	**2J**	**3J**	**6**	**1J**
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
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D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 11

Exceedance Summary - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-L10-1 (18-21 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW
Volatile Organic Constituents								
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1U	1U	1U
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	**3J**	**2J**	**1J**	**1J**	**1J**
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	1U	1U	1U	1U	1U

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 11

Exceedance Summary - VOCs
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N9-1 (32-35 ft. bgs) 4/30/2001 DEEP	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP
Volatile Organic Constituents						
cis-1,2-DICHLOROETHYLENE	UG/L	10	1U	1U	1U	1UJ
TETRACHLOROETHYLENE(PCE)	UG/L	1	**1J**	1U	**2J**	1UJ
TRICHLOROETHYLENE (TCE)	UG/L	1	1U	**2J**	1U	**1J**

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 12

Exceedance Summary - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

			GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW
Semi-Volatile Organic Constituents	**Units**	**GWQS**						
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**160**	**450**	**140**	**150**	**130**	**32**

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 12

Exceedance Summary - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

			GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP
Semi-Volatile Organic Constituents	**Units**	**GWQS**						
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	20U	2UJ	3J	2UJ	2UJ	2U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**170**	**220J**	**43**	**53J**	**57J**	**66**

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 12

Exceedance Summary - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

			GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP
Semi-Volatile Organic Constituents	**Units**	**GWQS**						
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	2U	2U	2U	2U	2U	2U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	**120**	**38**	**440**	**36**	**33**	**50**

Notes:
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 12

Exceedance Summary - SVOCs
GW - SI
Kenvil Works Facility, New Jersey

			GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 4/30/2001 DEEP	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW
Semi-Volatile Organic Constituents	**Units**	**GWQS**			
2,4/2,6-DINITROTOLUENE_SVOC	UG/L	10	**22000**	**74**	2U
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	30	2U	2U	**47**

Notes:
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ft. bgs = Feet below ground surface

Table 13

Exceedance Summary - Energetic and Explosive Constituents
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G9-1 (17-20 ft. bgs) 04/13/2001 SHALLOW	GW-L11-1 (25-28 ft. bgs) 04/30/2001 SHALLOW	GW-L11-1 (37-40 ft. bgs) 04/30/2001 DEEP
Energetic and Explosive Constituents					
2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	**280**	**16140J**	**44.3J**

Notes:
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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP
Metals, Total								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	5B	5.2B	7.7B	**8.5B**	4.9U	**14**
BERYLLIUM	UG/L	20	0.5U	2.2B	2.4B	1.9B	3.4B	2.9B
CADMIUM	UG/L	4	1.8B	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	10.1B	**266**	**169**	95.8	**303**	**425**
COPPER	UG/L	1000	8U	167	142	86	167	305
LEAD	UG/L	10	8.9U	**12B**	8.9U	**10.4B**	**20.1**	**20.7**
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.095B	0.097B	0.09B
NICKEL	UG/L	100	**411**	73.5	81.8	40.4B	**112**	**185**
SELENIUM	UG/L	50	20.4	4.8U	4.8U	4.8U	4.8U	4.8U
THALLIUM	UG/L	NA	**58.4**	**19.4B**	**23.3**	9.5U	**14B**	**14.6B**
ZINC	UG/L	10	2800J	609J	778J	491J	1450J	2320J

Notes:
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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP	GW-D16-1 (22-25 ft. bgs) 4/19/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9UN	9.9UN	5.9U
ARSENIC	UG/L	8	**9.4B**	4.9U	**11.3**	5.9B	**17.2**	**24.3**
BERYLLIUM	UG/L	20	2.9B	2.1B	4.4B	1.2B	4.4B	7.5B
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94UN	0.94UN	0.92U
CHROMIUM, TOTAL	UG/L	100	**369**	**172**	55.2	99.5J	**423J**	**389**
COPPER	UG/L	1000	186	113	97.1	61J	276J	422
LEAD	UG/L	10	**14.7B**	8.9U	8.9U	**13.8B**	**35.4**	76U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.26U
NICKEL	UG/L	100	**120**	77.4	**124**	31.5J	**168J**	**219**
SELENIUM	UG/L	50	4.8U	4.8U	8.4B	4.8U	8.1B	10B
THALLIUM	UG/L	NA	**10.4B**	9.5U	**20**	9.5U	9.5U	8.8U
ZINC	UG/L	10	1150J	734J	757J	244EN	2000EN	2000

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* = Value obtained from a 1:5 dilution
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E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-D16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP	GW-E16-1 (17-20 ft. bgs) 4/19/2001 SHALLOW	GW-E16-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-E9-1 (17-20 ft. bgs) 4/16/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	29.5U	9.9UJ	9.9UN	5.9U	29.5U	5.9U
ARSENIC	UG/L	8	**72.6**	**50.3**	**16.4**	**10.2**	**240**	**16.4**
BERYLLIUM	UG/L	20	18.2B	7.5B	4.7B	3B	**56.5**	3.2B
CADMIUM	UG/L	4	3.2U	0.94UJ	0.94UN	0.64U	3.2U	0.64UN*
CHROMIUM, TOTAL	UG/L	100	**837**	**616J**	**305J**	**165**	**2580**	75.2
COPPER	UG/L	1000	686	350J	212J	144	**2130**	152
LEAD	UG/L	10	**124**	**76.4**	**27.5**	20.4U	**343**	**36.9**
MERCURY	UG/L	2	1.1B	0.079U	0.079U	0.15B	0.75B	0.19U
NICKEL	UG/L	100	**757**	**204J**	82.9J	64	**1000**	52
SELENIUM	UG/L	50	21.5U	25.9	5.5B	4.3U	**85.8**	4.3U
THALLIUM	UG/L	NA	55U	**19.6B**	9.5U	8.8U	**59.5B**	**11.1B**
ZINC	UG/L	10	4710	1490J	669EN	670	**6480**	493

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E9-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-F10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-F10-1 (57-60 ft. bgs) 4/16/2001 DEEP	MW-20 4/17/2001 DEEP	MW-21 9/20/2002 SHALLOW	MW-24 9/20/2002 DEEP
Metals, Total								
ANTIMONY	UG/L	20	29.5U	5.9U	29.5U	29.5U	9.9UN	9.9UN
ARSENIC	UG/L	8	**75.8**	**34.7**	**103**	**96**	4.9U	6.8B
BERYLLIUM	UG/L	20	**26.8B**	5.8B	**31B**	**23.6B**	0.6B	1.2B
CADMIUM	UG/L	4	3.2UN*	0.64UN*	3.2UN*	3.2UN*	0.94UN	0.94UN
CHROMIUM, TOTAL	UG/L	100	**1500**	**127**	**2200**	**1190**	57.6J	70.8J
COPPER	UG/L	1000	**1090**	260	**1500**	**1000**	45.8J	99.5J
LEAD	UG/L	10	**140**	**82**	**309**	**154**	**11.7B**	**11.2B**
MERCURY	UG/L	2	0.27U	0.12U	**3.2**	0.49U	0.079U	0.079U
NICKEL	UG/L	100	**488**	**174**	**708**	**531**	24.4J	27J
SELENIUM	UG/L	50	**59.8**	4.3U	**78**	42.7B	4.8U	4.8U
THALLIUM	UG/L	NA	**90.6B**	**19.8B**	**87B**	**49.4B**	9.5U	9.5U
ZINC	UG/L	10	**6320**	963	**11000**	**7640**	151EN	154EN

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-25 9/23/2002 SHALLOW	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP	GW-F8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-F9-1 (12-15 ft. bgs) 4/13/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	9.9UN	49.5UN	9.9UN	49.5UN	5.9UN	5.9UN
ARSENIC	UG/L	8	**8.8B**	**155**	4.9U	**124**	3.7U	3.7U
BERYLLIUM	UG/L	20	1.1B	**30.6B**	0.53B	**26.9B**	1.6B	0.83B
CADMIUM	UG/L	4	0.94UN	4.7UN	0.94UN	4.7UN	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	**109J**	**586J**	79.4J	**663J**	57.2N	3.5BN
COPPER	UG/L	1000	68.7J	844J	44.4J	906J	67.9	50
LEAD	UG/L	10	**17.2B**	**195**	**11.6B**	**178**	**11.3B**	**10.8B**
MERCURY	UG/L	2	0.079U	1.9B	0.079U	1.8B	0.045BN	0.026UN
NICKEL	UG/L	100	39.4J	**456J**	28.9J	**515J**	33.2B	12.1B
SELENIUM	UG/L	50	4.8U	24U	4.8U	45B	4.3U	4.3U
THALLIUM	UG/L	NA	9.5U	**93.7B**	9.5U	47.5U	8.8U	8.8U
ZINC	UG/L	10	304EN	2030EN	238EN	3100EN	247N	97.2N

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G10-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G10-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G11-1 (12-15 ft. bgs) 4/16/2001 SHALLOW	GW-G11-1 (57-60 ft. bgs) 4/16/2001 DEEP	GW-G12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-G12-1 (62-65 ft. bgs) 4/17/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	29.5U	29.5U	29.5U	8B	5.9U	6.9B
ARSENIC	UG/L	8	**155**	**99.7**	**89.9**	**52.9**	**8B**	**33.4**
BERYLLIUM	UG/L	20	**31.4B**	**22B**	**27.6B**	14.1	1.4B	5.8B
CADMIUM	UG/L	4	3.2UN*	3.2UN*	3.2UN*	1.5U	0.64UN*	0.64UN*
CHROMIUM, TOTAL	UG/L	100	**466**	**2970**	**413**	**678**	36.2	**828**
COPPER	UG/L	1000	**1050**	**1670**	701	494	74	433
LEAD	UG/L	10	**192**	**201**	**165**	**84.2**	**17.4B**	**73**
MERCURY	UG/L	2	**4.9**	**4.8**	0.41U	1.4B	0.15U	1.1B
NICKEL	UG/L	100	**292**	**904**	**327**	**256**	58.4	**287**
SELENIUM	UG/L	50	47.2B	**62.8**	30.6B	4.3U	4.3U	4.3U
THALLIUM	UG/L	NA	44U	**99B**	44U	8.8U	8.8U	**25**
ZINC	UG/L	10	2900	**7750**	**8230**	2410	247	3010

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G13-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G13-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-1 (17-20 ft. bgs) 4/18/2001 SHALLOW	GW-G14-1 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-2 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G14-3 (17-20 ft. bgs) 4/18/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5U	5.9UN	5.9UN	5.9U	5.9U
ARSENIC	UG/L	8	**19.7**	**80.5**	**28.4J**	**23.2J**	**12.8**	**35.8**
BERYLLIUM	UG/L	20	1.8B	13.9B	5.5B	5.9B	5B	4.7B
CADMIUM	UG/L	4	0.64U	3.2U	2.9BN	3.3UJ	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	99.7	**1200**	**352J**	**287J**	**551**	**238**
COPPER	UG/L	1000	111	954	181J	196J	314	254
LEAD	UG/L	10	29.8U	96U	**91.5**	**62**	14.5U	64.3U
MERCURY	UG/L	2	0.026U	0.28B	0.15U	0.098UJ	0.26U	0.26U
NICKEL	UG/L	100	60.3	**838**	**162J**	**157J**	**237**	**135**
SELENIUM	UG/L	50	4.3U	21.5U	6.1B	9.4B	6.4B	8.2B
THALLIUM	UG/L	NA	8.8U	55.8U	8.8U	9B	8.8U	8.8U
ZINC	UG/L	10	344	**10500**	987J	1670J	1780	862

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-G14-3 (57-60 ft. bgs) 4/18/2001 DEEP	GW-G7-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G7-1 (43-46 ft. bgs) 4/13/2001 DEEP	GW-G8-1 (22-25 ft. bgs) 4/13/2001 SHALLOW	GW-G8-1 (57-60 ft. bgs) 4/13/2001 DEEP	GW-G9-1 (17-20 ft. bgs) 4/13/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5UN	29.5UN	29.5UN	29.5UN	29.5UN
ARSENIC	UG/L	8	**31.5**	**37.9B**	**143**	**52**	**26.3B**	**42B**
BERYLLIUM	UG/L	20	6.1B	12.2B	**51.6**	14.7B	10.6B	13.5B
CADMIUM	UG/L	4	0.64U	3.2U	3.2U	3.2U	3.2U	3.2U
CHROMIUM, TOTAL	UG/L	100	**841**	**247N**	**1450N**	**607N**	**708N**	**304N**
COPPER	UG/L	1000	579	353	**1260**	773	390	412
LEAD	UG/L	10	38.4U	**84.6B**	**322**	**103**	**71.9B**	**123**
MERCURY	UG/L	2	0.26U	0.36N	**2.9N**	0.5N	**2.4N**	0.7N
NICKEL	UG/L	100	**453**	**183B**	**704**	**385**	**213B**	**177B**
SELENIUM	UG/L	50	12	21.5U	21.5U	21.5U	21.5U	21.5U
THALLIUM	UG/L	NA	**16.3B**	44U	**46.2B**	44U	44U	44U
ZINC	UG/L	10	1740	1960N	**5750N**	**10500N**	2450N	1660N

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+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H10-1 (12-15 ft. bgs) 4/23/2001 SHALLOW	GW-H10-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-H11-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-H11-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-H12-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H12-1 (57-60 ft. bgs) 4/17/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	**37.2BN**	**32J**	5.9UN	5.9UN	5.9U	59U
ARSENIC	UG/L	8	**116***	**119***	17.6U	**87.4***	**21.5**	**301**
BERYLLIUM	UG/L	20	5.9B	6.6B	1.3B	7.7B	2B	**97B**
CADMIUM	UG/L	4	3.2U	3.2U	0.64U	0.64U	0.64UN*	6.4UN*
CHROMIUM, TOTAL	UG/L	100	**175**	**994**	60.1	**646**	75.1	**5110**
COPPER	UG/L	1000	413N	483J	63.5N	371N	98.5	**4830**
LEAD	UG/L	10	**911**	**5930**	**13.8B**	**84.3**	**24.5**	**931**
MERCURY	UG/L	2	**13.7N**	**3J**	0.091U	0.88N	0.23U	**5.2**
NICKEL	UG/L	100	**115BN**	**232BN**	30.3BN	**253N**	41.3B	**2060**
SELENIUM	UG/L	50	28.8BN	30.2J	4.3UN	4.3UN	4.3U	**204**
THALLIUM	UG/L	NA	44U	44U	8.8U	**13.1B**	8.8U	**297**
ZINC	UG/L	10	936	3130	384	1580	223	**22600**

Notes:
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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H13-1 (12-15 ft. bgs) 4/17/2001 SHALLOW	GW-H13-1 (57-60 ft. bgs) 4/17/2001 DEEP	GW-H14-1 (36-39 ft. bgs) 4/18/2001 DEEP	GW-H5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-H5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H6-1 (22-25 ft. bgs) 4/12/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	29.5U	29.5U	59U	5.9UN
ARSENIC	UG/L	8	**14.2**	**35.9**	**43.2B**	**81.7**	**152**	6.3B
BERYLLIUM	UG/L	20	1.4B	5B	12.2B	16.2B	**53.2B**	2.3B
CADMIUM	UG/L	4	0.64UN*	0.64UN*	**14.5B**	3.2U	6.4U	0.64U
CHROMIUM, TOTAL	UG/L	100	56	**670**	**1300**	**1110**	**3070**	51.2N
COPPER	UG/L	1000	77.5	321	733	629	**1830**	74.8
LEAD	UG/L	10	**24.8**	**47.4**	**48.9B**	**160**	**466**	**13.8B**
MERCURY	UG/L	2	0.082U	1.2B	0.26U	0.037U	0.026U	**6.2N**
NICKEL	UG/L	100	34.7B	**166**	**530**	**333**	**923**	29B
SELENIUM	UG/L	50	4.3U	4.3U	21.5U	21.5U	43U	4.3U
THALLIUM	UG/L	NA	8.8U	**21.7**	44U	44U	88U	8.8U
ZINC	UG/L	10	185	1260	**5440**	3610	**8670**	323N

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H6-1 (51-54 ft. bgs) 4/12/2001 DEEP	GW-H7-1 (13-15 ft. bgs) 4/12/2001 SHALLOW	GW-H7-1 (57-60 ft. bgs) 4/12/2001 DEEP	GW-H8-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-H8-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-H9-1 (17-20 ft. bgs) 4/20/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9UN	5.9UN	29.5UN	29.5U	29.5U	5.9UN
ARSENIC	UG/L	8	**14.2**	7.6B	**109**	**77.8**	**74.8**	25.4U
BERYLLIUM	UG/L	20	3.9B	3.1B	**32.6B**	**24.2B**	**24B**	6.1B
CADMIUM	UG/L	4	0.64U	0.64U	3.2U	**6.5B**	**6.4B**	0.64U
CHROMIUM, TOTAL	UG/L	100	**183N**	**112N**	**1710N**	**715**	**1120**	**179**
COPPER	UG/L	1000	132	103	**1560**	724	779	176N
LEAD	UG/L	10	**24.6**	**17.9B**	**166**	**279**	**264**	**31.8**
MERCURY	UG/L	2	**2.5N**	0.13BN	**5.2N**	**2B**	0.48U	0.25U
NICKEL	UG/L	100	60.3	55.6	**891**	**324**	**369**	58.3N
SELENIUM	UG/L	50	4.8B	4.3U	21.5U	21.5U	21.5U	4.3UN
THALLIUM	UG/L	NA	8.9B	8.8U	**60.6B**	44U	44U	8.8U
ZINC	UG/L	10	905N	768N	**12300N**	2920	2650	365

Notes:

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-H9-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I10-1 (17-20 ft. bgs) 4/20/2001 SHALLOW	GW-I10-1 (57-60 ft. bgs) 4/20/2001 DEEP	GW-I11-1 (20-23 ft. bgs) 4/26/2001 SHALLOW	GW-I11-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-I12-1 (57-60 ft. bgs) 4/20/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	**69.4BN**	5.9UN	5.9UN	6.6B	148U	5.9UN
ARSENIC	UG/L	8	**291***	17.8U	**58***	**20.6J**	**466J**	**41.4***
BERYLLIUM	UG/L	20	**60.7B**	2.4B	8.1B	3.2B	**118B**	10.6
CADMIUM	UG/L	4	6.4U	0.64U	0.64U	0.75U	16U	2.6B
CHROMIUM, TOTAL	UG/L	100	**2760**	**137**	**1160**	**194J**	**5530J**	**254**
COPPER	UG/L	1000	**2250N**	120N	550N	175J	**4040J**	373N
LEAD	UG/L	10	**334**	**23.1**	**60.4**	**181J**	**964J**	**63.8**
MERCURY	UG/L	2	**3N**	0.12U	0.51N	0.052B	**12.7**	1.6N
NICKEL	UG/L	100	**1230N**	57.9N	**344N**	81J	**2170J**	**300N**
SELENIUM	UG/L	50	43UN	4.3UN	14.1N	4.3U	108U	6.9BN
THALLIUM	UG/L	NA	**156B**	8.8U	**15.2B**	8.8U	220U	**12.3B**
ZINC	UG/L	10	**10400**	317	2660	991J	**14500J**	2150

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I5-1 (30-33 ft. bgs) 5/4/2001 SHALLOW	GW-I5-1 (57-60 ft. bgs) 5/4/2001 DEEP	GW-I6-1 (25-28 ft. bgs) 5/4/2001 SHALLOW	GW-I6-1 (42-45 ft. bgs) 5/4/2001 DEEP	GW-I7-1 (27-30 ft. bgs) 5/4/2001 SHALLOW	GW-I8-1 (17-20 ft. bgs) 4/23/2001 SHALLOW	GW-I8-1 (57-60 ft. bgs) 4/23/2001 DEEP
Metals, Total									
ANTIMONY	UG/L	20	5.9U	29.5U	29.5U	29.5U	59U	5.9UN	59UN
ARSENIC	UG/L	8	**48.4**	**114**	**147**	**89.5**	**252**	15.6U	**198***
BERYLLIUM	UG/L	20	8B	**25.2B**	**35.6B**	**21.8B**	**69.2B**	3.5B	**60.4B**
CADMIUM	UG/L	4	**17.4**	3.2U	3.2U	3.2U	6.4U	0.64U	6.4U
CHROMIUM, TOTAL	UG/L	100	**395**	**1630**	**1130**	**1050**	**2700**	**108**	**2910**
COPPER	UG/L	1000	316	994	**1340**	874	**2200**	130N	**2380N**
LEAD	UG/L	10	**92.9**	**303**	**309**	**200**	**614**	**22.5**	**574**
MERCURY	UG/L	2	0.026U	0.026U	0.065U	0.026U	1.7B	0.12U	1.9N
NICKEL	UG/L	100	**166**	**473**	**634**	**393**	**1160**	60.4N	**1060N**
SELENIUM	UG/L	50	4.3U	21.5U	21.5U	21.5U	43U	4.3UN	43UN
THALLIUM	UG/L	NA	8.8U	**56.5B**	**65.3B**	44U	**120B**	8.8U	**126B**
ZINC	UG/L	10	2360	4180	4440	2950	**7970**	339	**11600**

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-I9-1 (22-25 ft. bgs) 4/23/2001 SHALLOW	GW-I9-1 (57-60 ft. bgs) 4/23/2001 DEEP	GW-J10-1 (25-28 ft. bgs) 4/26/2001 SHALLOW	GW-J10-1 (57-60 ft. bgs) 4/26/2001 DEEP	GW-J11-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-J12-1 (52-55 ft. bgs) 4/26/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9UN	**182BN**	5.9U	13.9B	5.9U	29.5U
ARSENIC	UG/L	8	11.9U	**294***	**20.5J**	**32.6J**	**51.1**	**102J**
BERYLLIUM	UG/L	20	2.3B	**193B**	3.9B	5.6B	9.6B	**24B**
CADMIUM	UG/L	4	0.64U	12.8U	0.79U	1U	**22.2**	3.2U
CHROMIUM, TOTAL	UG/L	100	**125**	**13500**	**209J**	**734J**	**448**	**991J**
COPPER	UG/L	1000	125N	**7680N**	194J	383J	396	931J
LEAD	UG/L	10	**14.5B**	**1290**	27.9UJ	31.5UJ	**110**	**196J**
MERCURY	UG/L	2	0.073U	**4N**	0.026U	0.26U	0.16U	1.3B
NICKEL	UG/L	100	65N	**3620N**	98.6J	**324J**	**190**	**406J**
SELENIUM	UG/L	50	4.3UN	**126BN**	4.3U	4.3B	4.3U	21.5U
THALLIUM	UG/L	NA	8.8U	**401**	**13.7B**	**33.4**	8.8U	44U
ZINC	UG/L	10	1180	**39000**	1950J	4350J	1310	3910J

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-J5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (10-13 ft. bgs) 5/3/2001 SHALLOW	GW-J6-1 (37-40 ft. bgs) 5/3/2001 DEEP	GW-J7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-J7-1 (57-60 ft. bgs) 4/25/2001 DEEP	GW-J8-1 (52-55 ft. bgs) 4/24/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5U	5.9U	10B	5.9U	5.9UN
ARSENIC	UG/L	8	**10.7**	**125**	**20.2**	**23.3J**	6.7J	**48.7***
BERYLLIUM	UG/L	20	0.64U	**47.2B**	4.4B	3.5B	2.7B	8.4B
CADMIUM	UG/L	4	3.1B	3.2U	**11.7**	0.64U	4.9U	0.64U
CHROMIUM, TOTAL	UG/L	100	10.2B	**1690**	**215**	**159J**	**289J**	**859**
COPPER	UG/L	1000	7.4U	**1770**	154	146J	141J	524N
LEAD	UG/L	10	8.8U	**325**	**34.1**	27UJ	**67.2J**	**55.1**
MERCURY	UG/L	2	0.21U	1.1B	0.042U	0.026U	0.026U	0.79N
NICKEL	UG/L	100	4B	**824**	87.3	77.7J	**129J**	**363N**
SELENIUM	UG/L	50	4.3U	33.2B	4.3U	4.5B	4.3U	7.1BN
THALLIUM	UG/L	NA	8.8U	**53.2B**	8.8U	8.8U	8.8U	**15.1B**
ZINC	UG/L	10	40.8	**9590**	900	906J	1130J	4670

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K11-1 (20-23 ft. bgs) 4/30/2001 SHALLOW	GW-K11-1 (57-60 ft. bgs) 4/30/2001 DEEP	GW-K5-1 (32-35 ft. bgs) 4/25/2001 DEEP	GW-K6-1 (50-53 ft. bgs) 4/25/2001 DEEP	GW-K7-1 (25-28 ft. bgs) 4/25/2001 SHALLOW	GW-K7-1 (57-60 ft. bgs) 4/25/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	6.4B	10.2B	5.9U	5.9U
ARSENIC	UG/L	8	**33.2**	**48.4**	**20.3J**	**28.9J**	**8J**	6.4J
BERYLLIUM	UG/L	20	5.8B	7.8B	4.5B	4.6B	1.4B	1.1B
CADMIUM	UG/L	4	**4.4B**	**4.5B**	0.64U	0.64U	1.3U	0.91U
CHROMIUM, TOTAL	UG/L	100	**357**	**766**	**117J**	**462J**	19.6J	**102J**
COPPER	UG/L	1000	409	491	112J	264J	36.7J	54.4J
LEAD	UG/L	10	**91.1**	**134**	18.7UJ	34.7UJ	13.7UJ	12.2UJ
MERCURY	UG/L	2	0.026U	0.19U	0.026U	0.026U	0.026U	0.026U
NICKEL	UG/L	100	**175**	**274**	67.8J	**171J**	18.6J	36.5J
SELENIUM	UG/L	50	4.3U	4.3U	4.3U	4.3U	4.3U	4.3U
THALLIUM	UG/L	NA	**12.5B**	**23.6**	8.8U	**11.8B**	8.8U	8.8U
ZINC	UG/L	10	4410	3250	457J	2270J	156J	326J

Notes:
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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-K8-1 (15-18 ft. bgs) 4/24/2001 SHALLOW	GW-K8-1 (57-60 ft. bgs) 4/24/2001 DEEP	GW-L11-1 (25-28 ft. bgs) 4/30/2001 SHALLOW	GW-L4-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-L5-1 (12-15 ft. bgs) 5/2/2001 SHALLOW	GW-M4-1 (20-23 ft. bgs) 5/2/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	10.4B	5.9U	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**15.4**	**73.1**	**8.5B**	3.7U	3.7U	4B
BERYLLIUM	UG/L	20	1.9B	10.7	1.7B	0.64U	2.1B	0.67B
CADMIUM	UG/L	4	0.64U	0.64U	0.64U	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	36.7	**910**	67.7	4.4B	36.2	11.8B
COPPER	UG/L	1000	53.4	626	34.6	12.9U	41.3	17.3U
LEAD	UG/L	10	**20.3**	**105**	**15B**	8.8U	**10.4B**	**10.4B**
MERCURY	UG/L	2	0.097U	0.24U	0.084U	0.026U	0.037U	0.026U
NICKEL	UG/L	100	26B	**312**	28.4U	6.3U	27.3U	15.7U
SELENIUM	UG/L	50	4.3U	15.8	4.3U	4.3U	4.3U	4.3U
THALLIUM	UG/L	NA	8.8U	**25**	8.8U	**11.9B**	8.8U	8.8B
ZINC	UG/L	10	155	2430	156	37.4U	252	262

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Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M4-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M5-1 (15-18 ft. bgs) 5/2/2001 SHALLOW	GW-M5-1 (42-45 ft. bgs) 5/2/2001 DEEP	GW-M6-1 (17-20 ft. bgs) 5/2/2001 SHALLOW	GW-M7-1 (N-A ft. bgs) 4/11/2001 SHALLOW	GW-M8-1 (15-18 ft. bgs) 4/27/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	7.9B	5.9U	5.9U	29.5UN	**20.8**
ARSENIC	UG/L	8	**46.7**	**49.7**	**37.2**	**11.8**	18.5U	**41.7J**
BERYLLIUM	UG/L	20	8.2B	**25.7**	10.8	2.3B	7.6B	15.9
CADMIUM	UG/L	4	1.1B	0.64U	0.64U	0.64U	3.2U	0.64U
CHROMIUM, TOTAL	UG/L	100	**334**	**790**	**568**	46.8	**397N**	**496J**
COPPER	UG/L	1000	311	423	451	76.4	372	461J
LEAD	UG/L	10	**76.6**	**240**	**620**	**17.4B**	44U	**102J**
MERCURY	UG/L	2	0.26U	1.4U	1.3U	0.089U	0.45N	0.26U
NICKEL	UG/L	100	**187**	**309**	**197**	32.2U	**118**	**280J**
SELENIUM	UG/L	50	4.3U	6.4B	4.3U	4.3U	21.5U	17.5
THALLIUM	UG/L	NA	8.8B	**30.2**	**22.8**	8.8U	44U	**12.6B**
ZINC	UG/L	10	1760	**7700**	2270	163	2030N	3700J

Notes:
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D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-M8-1 (57-60 ft. bgs) 4/27/2001 DEEP	GW-M9-1 (10-13 ft. bgs) 4/27/2001 SHALLOW	GW-M9-1 (30-33 ft. bgs) 4/27/2001 DEEP	GW-N13-1 (22-25 ft. bgs) 4/19/2001 SHALLOW	GW-N13-1 (57-60 ft. bgs) 4/19/2001 DEEP	GW-N4-1 (25-28 ft. bgs) 5/3/2001 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	12.6B	9.1B	11.8B	5.9U	5.9U	5.9U
ARSENIC	UG/L	8	**55.2J**	**11.2J**	**31.9J**	**9.9B**	**12.7**	**18.7**
BERYLLIUM	UG/L	20	3.9B	2.5B	5.7B	1.8B	2.6B	3.1B
CADMIUM	UG/L	4	**19.2**	3.3U	4.7U	0.64U	0.64U	**8.3B**
CHROMIUM, TOTAL	UG/L	100	**636J**	**735J**	**539J**	**145**	**380**	**225**
COPPER	UG/L	1000	927J	201J	248J	81.6	191	145
LEAD	UG/L	10	**920J**	12.1UJ	**35J**	19.5U	29.2U	**31.5**
MERCURY	UG/L	2	0.75B	0.26U	0.26U	0.034B	0.069B	0.026U
NICKEL	UG/L	100	**191J**	**208J**	**143J**	54	**114**	83.2
SELENIUM	UG/L	50	7.2B	4.3U	4.3U	4.3U	4.4B	4.3U
THALLIUM	UG/L	NA	**12.3B**	**23.1**	**19B**	8.8U	8.8U	8.8U
ZINC	UG/L	10	**15700J**	704J	816J	389	1430	925

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-N4-1 (42-45 ft. bgs) 5/3/2001 DEEP	GW-N5-1 (15-18 ft. bgs) 5/3/2001 SHALLOW	GW-N5-1 (33-36 ft. bgs) 5/3/2001 DEEP	GW-N7-1 (N-A ft. bgs) 4/10/2001 SHALLOW	GW-O13-1 (27-30 ft. bgs) 4/19/2001 SHALLOW	GW-O13-1 (57-60 ft. bgs) 4/19/2001 DEEP
Metals, Total								
ANTIMONY	UG/L	20	5.9U	29.5U	6.2B	5.9UN	5.9U	5.9U
ARSENIC	UG/L	8	**13.9**	**49.8B**	**17.6**	**10.3**	3.7U	**13.7**
BERYLLIUM	UG/L	20	2.7B	**33.3B**	8.6B	2.3B	3.5B	4.5B
CADMIUM	UG/L	4	**7.4B**	3.2U	**22.6**	0.64U	0.64U	0.64U
CHROMIUM, TOTAL	UG/L	100	**174**	**487**	**124**	70.4N	**133**	**249**
COPPER	UG/L	1000	108	**1560**	352	56.9	90.3	150
LEAD	UG/L	10	**26.6**	**348**	**80.4**	**15B**	22.1U	31.6U
MERCURY	UG/L	2	0.026U	0.71U	0.14U	0.029BN	0.15B	0.03B
NICKEL	UG/L	100	61.7	**382**	**119**	39B	41.2B	75.4
SELENIUM	UG/L	50	4.3U	21.5U	4.3U	4.3U	4.3U	5.3B
THALLIUM	UG/L	NA	8.8U	**51.5B**	8.8U	8.8U	8.8U	8.8U
ZINC	UG/L	10	500	**18300**	4440	587N	481	484

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 14

Exceedance Summary - Total Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-O7-1 (25-28 ft. bgs) 5/1/2001 SHALLOW	GW-O7-1 (52-55 ft. bgs) 5/1/2001 DEEP	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW	MW-24 8/21/2002 SHALLOW	MW-25 8/22/2002 SHALLOW
Metals, Total								
ANTIMONY	UG/L	20	5.9U	5.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	**9B**	**50.7**	**9B**	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	1.2B	7.3B	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.64U	0.64U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	**123**	**582**	2.8B	2U	3.7B	2U
COPPER	UG/L	1000	48.1	309	8.4B	3.5B	18B	13.6B
LEAD	UG/L	10	8.8U	**55.3**	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.099U	0.026U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	35.9U	**204**	10.3B	1.9U	5.6B	5.8B
SELENIUM	UG/L	50	4.3U	4.3U	4.8U	4.8U	4.8U	4.8U
THALLIUM	UG/L	NA	**17.1B**	**15.6B**	**139**	**30.8**	**91.6**	**115**
ZINC	UG/L	10	275	1530	24B	10.8B	15.9B	249

Notes:
GWQS = Groundwater Quality Standards (ug/L)
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 15

Exceedance Summary - Dissolved Metals
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-20 8/22/2002 SHALLOW	MW-21 8/22/2002 SHALLOW
Metals, Dissolved				
THALLIUM	UG/L	10	**17.8BJ**	**18.4BJ**

GWQS = Groundwater Quality Standards (ug/L)

NS = No Standard

BOLD = Indicates concentration exceeds Groundwater Quality Criteria

J = Value is less than the reporting limit but greater than zero, is an estimated value

U = Indicates that the compound was analyzed for but not detected

B = Indicates that the compound was found in the associated blank

N = Flashpoint not observed, heated to specific limit

R = Data rejected based on data validation

D = Indicates compound was found in analysis as a secondary dilution factor

* = Value obtained from a 1:5 dilution

+ = Value obtained from a 1:10 dilution

E = Indicates that the concentration exceeded the calibration range of the instrument

ft. bgs = Feet below ground surface

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DYNAMITE	MW-19 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DYNAMITE	MW-20 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DYNAMITE	MW-21 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1UJ**
DYNAMITE	MW-24 (N-A ft. bgs)	8/21/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-G6-1 (21-24 ft. bgs)	4/12/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-H5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**59U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**88U**
DEVELOPMENT	GW-H5-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**6.4U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H6-1 (22-25 ft. bgs)	4/12/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H6-1 (51-54 ft. bgs)	4/12/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
DEVELOPMENT	GW-H7-1 (13-15 ft. bgs)	4/12/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-H7-1 (57-60 ft. bgs)	4/12/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-I5-1 (30-33 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-I5-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
DEVELOPMENT	GW-I6-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-I6-1 (42-45 ft. bgs)	5/4/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-J5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-J6-1 (10-13 ft. bgs)	5/3/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-J6-1 (37-40 ft. bgs)	5/3/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	4/25/2001	DEEP	METALS	PB	LEAD	UG/L	10	**18.7UJ**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	5/2/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	5/2/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-N4-1 (25-28 ft. bgs)	5/3/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-N4-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-N5-1 (15-18 ft. bgs)	5/3/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
DEVELOPMENT	GW-N5-1 (33-36 ft. bgs)	5/3/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-F11-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-F11-1 (57-60 ft. bgs)	4/17/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-G10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-G10-1 (57-60 ft. bgs)	4/16/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MAINTENANCE	GW-G11-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-G11-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-G12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	TCP246	2,4,6-TRICHLOROPHENOL	UG/L	20	**20U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	BIS2CEE	2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETH	UG/L	10	**10U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	BZD	BENZIDINE	UG/L	50	**200U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	TCB124	1,2,4-TRICHLOROBENZENE	UG/L	9	**10U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**20U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	NO2BZ	NITROBENZENE	UG/L	10	**10U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**30U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	NNSM	N-NITROSODIMETHYLAMINE	UG/L	20	**20U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	HCLEA	HEXACHLOROETHANE	UG/L	10	**10U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	HCCP	HEXACHLOROCYCLOPENTADIENE	UG/L	50	**50U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	DNT_SV	2,4/2,6-DINITROTOLUENE_SVOCS	UG/L	10	**20U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	DNP24	2,4-DINITROPHENOL	UG/L	40	**200U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	HCLBZ	HEXACHLOROBENZENE	UG/L	10	**20U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**10U**
MAINTENANCE	GW-G12-1 (62-65 ft. bgs)	4/17/2001	DEEP	E&E	NO2BZ	NITROBENZENE	UG/L	10	**10U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	4/23/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H10-1 (57-60 ft. bgs)	4/23/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H11-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**17.6U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MAINTENANCE	GW-H11-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H12-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**6.4UN***
MAINTENANCE	GW-H12-1 (57-60 ft. bgs)	4/17/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**59U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MAINTENANCE	GW-H13-1 (12-15 ft. bgs)	4/17/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H13-1 (57-60 ft. bgs)	4/17/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	5/4/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
MAINTENANCE	GW-H8-1 (57-60 ft. bgs)	5/4/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MAINTENANCE	GW-H9-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**25.4U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MAINTENANCE	GW-H9-1 (57-60 ft. bgs)	4/20/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**6.4U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MAINTENANCE	MW-25 (N-A ft. bgs)	8/22/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-I11-1 (20-23 ft. bgs)	4/26/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**148U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**16U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**220U**
B-LINE	GW-I11-1 (57-60 ft. bgs)	4/26/2001	DEEP	METALS	SE	SELENIUM	UG/L	50	**108U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCA	1,1,2,2-TETRACHLOROETHANE	UG/L	2	**2U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-J11-1 (20-23 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-J11-1 (42-45 ft. bgs)	5/3/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4UJ**
B-LINE	GW-J12-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
B-LINE	GW-J12-1 (52-55 ft. bgs)	4/26/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-K10-1 (17-20 ft. bgs)	4/30/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-K11-1 (20-23 ft. bgs)	4/30/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-K11-1 (57-60 ft. bgs)	4/30/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-L10-1 (18-21 ft. bgs)	4/30/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	SVOCS	NO2BZ	NITROBENZENE	UG/L	10	**80U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-L11-1 (25-28 ft. bgs)	4/30/2001	SHALLOW	E&E	NO2BZ	NITROBENZENE	UG/L	10	**80U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-L11-1 (37-40 ft. bgs)	4/30/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**

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Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-L9-1 (25-28 ft. bgs)	4/27/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**10.2UJ**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-M8-1 (15-18 ft. bgs)	4/27/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-M8-1 (57-60 ft. bgs)	4/27/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-M9-1 (10-13 ft. bgs)	4/27/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**12.1UJ**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-M9-1 (30-33 ft. bgs)	4/27/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**4.7U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-N8-1 (37-40 ft. bgs)	5/1/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-N9-1 (15-18 ft. bgs)	5/1/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
B-LINE	GW-N9-1 (32-35 ft. bgs)	4/30/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
A-LINE	GW-E9-1 (17-20 ft. bgs)	4/16/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-E9-1 (57-60 ft. bgs)	4/16/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
A-LINE	GW-F10-1 (12-15 ft. bgs)	4/16/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-F10-1 (57-60 ft. bgs)	4/16/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-F8-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-F9-1 (12-15 ft. bgs)	4/13/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-F9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
A-LINE	GW-G7-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-G7-1 (43-46 ft. bgs)	4/13/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
A-LINE	GW-G8-1 (22-25 ft. bgs)	4/13/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
A-LINE	GW-G8-1 (57-60 ft. bgs)	4/13/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
A-LINE	GW-G9-1 (17-20 ft. bgs)	4/13/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
A-LINE	GW-G9-1 (57-60 ft. bgs)	4/13/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**15U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
AN	GW-I12-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
AN	GW-I12-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-I10-1 (17-20 ft. bgs)	4/20/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**17.8U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
FINISHING	GW-I10-1 (57-60 ft. bgs)	4/20/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	METALS	CD	CADMIUM	UG/L	4	**6.4U**
FINISHING	GW-I7-1 (27-30 ft. bgs)	5/4/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**59U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4UJ**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**3UJ**
FINISHING	GW-I8-1 (17-20 ft. bgs)	4/23/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**15.6U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**5U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**3U**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**59UN**
FINISHING	GW-I8-1 (57-60 ft. bgs)	4/23/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**6.4U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-I9-1 (22-25 ft. bgs)	4/23/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**11.9U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**3UJ**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4UJ**
FINISHING	GW-I9-1 (57-60 ft. bgs)	4/23/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**12.8U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-J7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**27UJ**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-J7-1 (57-60 ft. bgs)	4/25/2001	DEEP	METALS	CD	CADMIUM	UG/L	4	**4.9U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-J9-1 (20-23 ft. bgs)	4/24/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
FINISHING	GW-K6-1 (50-53 ft. bgs)	4/25/2001	DEEP	METALS	PB	LEAD	UG/L	10	**34.7UJ**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
STORAGE	GW-J10-1 (25-28 ft. bgs)	4/26/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**27.9UJ**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
STORAGE	GW-J10-1 (57-60 ft. bgs)	4/26/2001	DEEP	METALS	PB	LEAD	UG/L	10	**31.5UJ**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-J8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
STORAGE	GW-J8-1 (52-55 ft. bgs)	4/24/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-K7-1 (25-28 ft. bgs)	4/25/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**13.7UJ**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-K7-1 (57-60 ft. bgs)	4/25/2001	DEEP	METALS	PB	LEAD	UG/L	10	**12.2UJ**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-K8-1 (15-18 ft. bgs)	4/24/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-K8-1 (57-60 ft. bgs)	4/24/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-K9-1 (22-25 ft. bgs)	4/26/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-M5-1 (15-18 ft. bgs)	5/2/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-M5-1 (42-45 ft. bgs)	5/2/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-M6-1 (17-20 ft. bgs)	5/2/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	METALS	AS	ARSENIC	UG/L	8	**18.5U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**44U**
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	METALS	SB	ANTIMONY	UG/L	20	**29.5UN**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
STORAGE	GW-M7-1 (N-A ft. bgs)	4/11/2001	SHALLOW	METALS	TL	THALLIUM	UG/L	10	**44U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-N7-1 (N-A ft. bgs)	4/10/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
STORAGE	GW-O7-1 (25-28 ft. bgs)	5/1/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
STORAGE	GW-O7-1 (52-55 ft. bgs)	5/1/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**5U**
MISCELLANEOUS/OFFSITE	GW-A14-01 (57-60 ft. bgs)	9/16/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MISCELLANEOUS/OFFSITE	GW-A14-02 (57-60 ft. bgs)	9/17/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (22-25 ft. bgs)	9/17/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-A15-01 (57-60 ft. bgs)	9/17/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (22-25 ft. bgs)	9/16/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-AA13-01 (57-60 ft. bgs)	9/16/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**

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GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-B15-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (22-25 ft. bgs)	9/18/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-C16-01 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**0.9U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**4U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-C16-02 (57-60 ft. bgs)	9/18/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-02 (57-60 ft. bgs)	9/19/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**76U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**55U**
MISCELLANEOUS/OFFSITE	GW-D16-1 (57-60 ft. bgs)	4/19/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DNP24	2,4-DINITROPHENOL	UG/L	40	**40U**
MISCELLANEOUS/OFFSITE	GW-E16-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**6U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (22-25 ft. bgs)	9/19/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-03 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (17-20 ft. bgs)	4/19/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**20.4U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-E16-1 (57-60 ft. bgs)	4/19/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-F14-01 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (22-25 ft. bgs)	9/23/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**6U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	SVOCS	DNP24	2,4-DINITROPHENOL	UG/L	40	**40U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	METALS	CD	CADMIUM	UG/L	4	**4.7UN**
MISCELLANEOUS/OFFSITE	GW-F15-01 (57-60 ft. bgs)	9/23/2002	DEEP	METALS	SB	ANTIMONY	UG/L	20	**49.5UN**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**6U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	DNP24	2,4-DINITROPHENOL	UG/L	40	**40U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (22-25 ft. bgs)	9/20/2002	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DNP24	2,4-DINITROPHENOL	UG/L	40	**40U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**2U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**6U**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	METALS	CD	CADMIUM	UG/L	4	**4.7UN**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	METALS	SB	ANTIMONY	UG/L	20	**49.5UN**
MISCELLANEOUS/OFFSITE	GW-F15-02 (57-60 ft. bgs)	9/20/2002	DEEP	METALS	TL	THALLIUM	UG/L	10	**47.5U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-G13-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**29.8U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	METALS	PB	LEAD	UG/L	10	**96U**
MISCELLANEOUS/OFFSITE	GW-G13-1 (57-60 ft. bgs)	4/18/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**55.8U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-1 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-G14-2 (57-60 ft. bgs)	4/18/2001	DEEP	METALS	PB	LEAD	UG/L	10	**14.5U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (17-20 ft. bgs)	4/18/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**64.3U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-G14-3 (57-60 ft. bgs)	4/18/2001	DEEP	METALS	PB	LEAD	UG/L	10	**38.4U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (17-20 ft. bgs)	4/18/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	METALS	TL	THALLIUM	UG/L	10	**44U**
MISCELLANEOUS/OFFSITE	GW-H14-1 (36-39 ft. bgs)	4/18/2001	DEEP	METALS	SB	ANTIMONY	UG/L	20	**29.5U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (22-25 ft. bgs)	4/19/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**19.5U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-N13-1 (57-60 ft. bgs)	4/19/2001	DEEP	METALS	PB	LEAD	UG/L	10	**29.2U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	TCE	TRICHLOROETHYLENE (TCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	BZ	BENZENE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (27-30 ft. bgs)	4/19/2001	SHALLOW	METALS	PB	LEAD	UG/L	10	**22.1U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	DCPA12	1,2-DICHLOROPROPANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	MTLNCL	METHYLENE CHLORIDE	UG/L	2	**2UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BZ	BENZENE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	BDCME	BROMODICHLOROMETHANE	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	VOCS	PCE	TETRACHLOROETHYLENE(PCE)	UG/L	1	**1UJ**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	HCBU	HEXACHLOROBUTADIENE	UG/L	1	**2U**
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	DPHY12	1,2-DIPHENYLHYDRAZINE	UG/L	0.04	**1U**

Table 16

Samples with Method Detection Limits Exceeding the GWQS
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id with Depth	Sample Collection Date	Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	SVOCS	PCP	PENTACHLOROPHENOL	UG/L	1	**3**U
MISCELLANEOUS/OFFSITE	GW-O13-1 (57-60 ft. bgs)	4/19/2001	DEEP	METALS	PB	LEAD	UG/L	10	**31.6**U

Notes:
VOC = Volatile Organic Constituents
SVOC = Semi-Volatile Organic Constituents
E&E = Explosives and Energetics
GWQS = Groundwater Quality Standards
Bold = Indicates Concentration Exceeds NJ Soil Cleanup Criteria (NJSCC)
U = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
J = Value is less than the reporting limit, but greater than zero
N = Flashpoint not observed, heated to specific limit
ft. = Feet below ground surface

Table 17

Groundwater Constituents
Without Groundwater Quality Standards
GW - SI
Kenvil Works Facility, New Jersey

Constituent	Number of Detections	GWQS	Analytical Group	Analytical Method
1,3,5-TRINITROBENZENE	4	NS	E&E	SW8330
2,4,6-TRINITROTOLUENE	7	NS	E&E	SW8330
2-AMINO-4,6-DINITROTOLUENE	9	NS	E&E	SW8330
2-NITROTOLUENE	1	NS	E&E	SW8330
3-NITROTOLUENE	2	NS	E&E	SW8330
4-AMINO-2,6-DINITROTOLUENE	7	NS	E&E	SW8330
4-NITROTOLUENE	1	NS	E&E	SW8330
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	11	NS	E&E	SW8330
NAPHTHALENE	2	NS	SVOC	SW8270C
NITROGEN, AMMONIA (AS N)	6	NS	GenChem	E350.2
NITROGLYCERIN	1	NS	E&E	SW8332
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	5	NS	E&E	SW8330
PERCHLORATE	3	NS	E&E	SW8330
PHENANTHRENE	1	NS	SVOC	SW8270C
SILVER	21	NS	Metals	SW6010B

Notes:
GWQS = Groundwater Quality Standards
NS = No Standard
E&E = Energetic and Explosive Constituents
SVOC = Semi-Volatile Organic Constituents
GenChem = General Chemistry Constituents

Table 18

Analytical Samples with Rejected Concentrations
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id With Depth	Sample Collection Date	Well Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result	Corrective Measures
DEVELOPMENT	GW-K5-1 (32-35 ft. bgs)	04/25/01	DEEP	E&E	TNB135	1,3,5-TRINITROBENZENE	UG/L	NS	0.4R	Sufficient samples collected, no corrective measure nessary
DEVELOPMENT	GW-L4-1 (12-15 ft. bgs)	05/02/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
DEVELOPMENT	GW-L5-1 (12-15 ft. bgs)	05/02/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
DEVELOPMENT	GW-M4-1 (20-23 ft. bgs)	05/02/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	05/02/01	DEEP	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
DEVELOPMENT	GW-M4-1 (42-45 ft. bgs)	05/02/01	DEEP	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.31R	Sufficient samples collected, no corrective measure nessary
MAINTENANCE	GW-H10-1 (12-15 ft. bgs)	04/23/01	SHALLOW	E&E	DNT	2,4/2,6-DINITROTOLUENE_E&E	UG/L	10	1.18R	Sufficient samples collected, no corrective measure nessary
MAINTENANCE	GW-H8-1 (25-28 ft. bgs)	05/04/01	SHALLOW	E&E	HMX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	UG/L	NS	1.8R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-J11-1 (20-23 ft. bgs)	05/04/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	2R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-L11-1 (25-28 ft. bgs)	04/30/01	SHALLOW	E&E	NBZME3	3-NITROTOLUENE	UG/L	NS	99R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-L11-1 (37-40 ft. bgs)	04/30/01	DEEP	E&E	A2DNT46	2-AMINO-4,6-DINITROTOLUENE	UG/L	NS	31.4R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-L11-1 (37-40 ft. bgs)	04/30/01	DEEP	E&E	NBZME3	3-NITROTOLUENE	UG/L	NS	3.53R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-L11-1 (37-40 ft. bgs)	04/30/01	DEEP	E&E	RDX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	UG/L	NS	0.36R	Sufficient samples collected, no corrective measure nessary
B-LINE	GW-L11-1 (37-40 ft. bgs)	04/30/01	DEEP	E&E	TNT	2,4,6-TRINITROTOLUENE	UG/L	NS	0.82R	Sufficient samples collected, no corrective measure nessary
FINISHING	GW-I7-1 (27-30 ft. bgs)	05/04/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary

Table 18

Analytical Samples with Rejected Concentrations
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id With Depth	Sample Collection Date	Well Depth	Analytical Group	Chem Code	Constituent	Units	GWQS	Result	Corrective Measures
STORAGE	GW-M5-1 (15-18 ft. bgs)	05/02/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
STORAGE	GW-M5-1 (42-45 ft. bgs)	05/02/01	DEEP	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary
STORAGE	GW-M6-1 (17-20 ft. bgs)	05/02/01	SHALLOW	VOCS	ACRL	ACROLEIN	UG/L	NS	40R	Sufficient samples collected, no corrective measure nessary

Notes:
GWQS = Groundwater Quality Standards
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface
RI = Remedial Investigation

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
TNT	GW-A10-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A10-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A11-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A11-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A12-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A12-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
TNT	GW-A13-1	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-A13-1	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-B12-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-B12-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-B13-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-B13-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
TNT	GW-B9-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
TNT	GW-B9-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
DYNAMITE	GW-B14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-B14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-B14-4-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-B14-4-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C12-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C12-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C13-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C13-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C14-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C14-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C14-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C14-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
DYNAMITE	GW-C14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-C14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D12-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D12-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D13-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D13-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-D14-4-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
DYNAMITE	GW-D14-4-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E11-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E11-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E12-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E12-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E13-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E13-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-E14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
DYNAMITE	GW-F12-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F12-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F13-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F13-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F14-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F14-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F14-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DYNAMITE	GW-F14-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-B11-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-B11-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-B11-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-B11-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-C10-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
NG	GW-C10-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-C11-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-C11-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-D10-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-D10-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-D11-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-D11-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-D9-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
NG	GW-D9-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
NG	GW-E10-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
NG	GW-E10-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
DEVELOPMENT	GW-G6-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-J5-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
DEVELOPMENT	GW-J6-2	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-J6-2	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-K5-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-L4-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-L5-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-L6-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
DEVELOPMENT	GW-L6-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-K10-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-L10-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-L9-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-M10-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-M10-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-N8-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
B-LINE	GW-O8-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
B-LINE	GW-O8-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
FINISHING	GW-I7-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
FINISHING	GW-J9-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
FINISHING	GW-K6-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-K9-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-L7-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-L7-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-L8-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-L8-1	Shallow	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-M6-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-M7-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI
STORAGE	GW-N7-1	Deep	Sample Not Collected	No corrective measure necessary, sufficient sample density for GW - SI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
STORAGE	GW-N7-2	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-N7-2	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O4-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O4-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O5-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O5-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O6-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-O6-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-P5-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-P5-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-P6-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-P6-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-P7-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
STORAGE	GW-P7-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-Q6-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-Q6-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-R5-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-R5-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-R6-1	Deep	Sample Not Collected	Future sampling to be conducted during the subsequent RI
STORAGE	GW-R6-1	Shallow	Sample Not Collected	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-A14-1-01	Deep	Sample Replaced by GW-AA13-01	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-A14-1-01	Shallow	Sample Replaced by GW-AA13-01	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-A14-2-01	Deep	Sample Replaced by GW-AA13-01	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-A14-2-01	Shallow	Sample Replaced by GW-AA13-01	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-A14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-A14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-A14-4-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
MISCELLANEOUS/OFFSITE	GW-A14-4-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-A15-02	Deep	Sample Not Collected, inaccessible location	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-A15-02	Shallow	Sample Not Collected, inaccessible location	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-B14-1-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-B14-1-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-B14-2-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-B14-2-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-E15-1	Deep	Sample Not Collected, inaccessible location	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-E15-1	Shallow	Sample Not Collected, inaccessible location	No corrective measure necessary
MISCELLANEOUS/OFFSITE	GW-F14-3-01	Deep	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-F14-3-01	Shallow	Sample reserved for CPT sample methodology	Future sampling to be conducted during the subsequent RI
MISCELLANEOUS/OFFSITE	GW-H14-2	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
MISCELLANEOUS/OFFSITE	GW-H14-2	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.
MISCELLANEOUS/OFFSITE	GW-M11-1	Deep	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.

Table 19

List of Samples Not Collected During the GW - SI
GW - SI
Kenvil Works Facility, New Jersey

Operational Area	Sample Id	Depth	Status	Corrective Measure
MISCELLANEOUS/OFFSITE	GW-M11-1	Shallow	Sample Not Collected	No groundwater present. Unconsolidated aquifer sample not possible.

Notes:

RI = Remedial Investigation

CPT = Cone penetrometer non-permanent direct push groundwater sampling methods.

Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW Dissolved	GW-A14-01 (22-25 ft. bgs) 9/17/2002 SHALLOW Total	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP Dissolved	GW-A14-01 (57-60 ft. bgs) 9/16/2002 DEEP Total	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW Dissolved	GW-A14-02 (22-25 ft. bgs) 9/17/2002 SHALLOW Total
Metals								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	4.9U	4.9UJ	5B	4.9UJ	4.9U
BERYLLIUM	UG/L	20	0.5U	1B	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	1.8B	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	49.5	2.1B	10.1B	2U	2U
COPPER	UG/L	1,000	2.6U	40.7	6.8B	8U	2.6U	3U
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	6.2B	22.5B	19.3B	**411**	1.9U	2.7U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	20.4	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	**58.4**	9.5U	9.5U
ZINC	UG/L	5,000	56.6	258J	17.1U	2800J	9.3U	29.6J

Notes:
GWQS = Groundwater Quality Standards
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP Dissolved	GW-A14-02 (57-60 ft. bgs) 9/17/2002 DEEP Total	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW Dissolved	GW-A15-01 (22-25 ft. bgs) 9/17/2002 SHALLOW Total	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP Dissolved	GW-A15-01 (57-60 ft. bgs) 9/17/2002 DEEP Total
Metals								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	5.2B	4.9UJ	6.4B	4.9UJ	7.7B
BERYLLIUM	UG/L	20	0.5U	2.2B	0.5U	1.3B	0.5U	2.4B
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	**266**	2U	95.9	2U	**169**
COPPER	UG/L	1,000	2.6U	167	2.6U	70.6	2.6U	142
LEAD	UG/L	10	8.9U	**12B**	8.9U	9.9B	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	3.4B	73.5	7.3B	35.4B	1.9U	81.8
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	**19.4B**	9.5U	9.5U	9.5U	**23.3**
ZINC	UG/L	5,000	4.9U	609J	14U	253J	5.2U	778J

Notes:
GWQS = Groundwater Quality Standards
NS = No Standard
BOLD = Indicates concentration exceeds Groundwater Quality Criteria
J = Value is less than the reporting limit but greater than zero, is an estimated value
U = Indicates that the compound was analyzed for but not detected
B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW Dissolved	GW-AA13-01 (22-25 ft. bgs) 9/16/2002 SHALLOW Total	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP Dissolved	GW-AA13-01 (57-60 ft. bgs) 9/16/2002 DEEP Total	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW Dissolved
Metals							
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9UJ	**8.5B**	4.9UJ	4.9U	4.9UJ
BERYLLIUM	UG/L	20	0.5U	1.9B	0.5U	3.4B	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	95.8	3.4B	**303**	2U
COPPER	UG/L	1,000	2.6U	86	2.6U	167	2.6U
LEAD	UG/L	10	8.9U	**10.4B**	8.9U	**20.1**	8.9U
MERCURY	UG/L	2	0.079U	0.095B	0.079U	0.097B	0.079U
NICKEL	UG/L	100	4.7B	40.4B	8.4B	**112**	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	**14B**	9.5U
ZINC	UG/L	5,000	80.5	491J	121	1450J	21.1U

Notes:
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ft. bgs = Feet below ground surface

Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-01 (22-25 ft. bgs) 9/18/2002 SHALLOW Total	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP Dissolved	GW-B15-01 (57-60 ft. bgs) 9/18/2002 DEEP Total	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW Dissolved	GW-B15-02 (22-25 ft. bgs) 9/18/2002 SHALLOW Total	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP Dissolved
Metals								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9UJ	**14**	4.9UJ	4.9U	4.9UJ
BERYLLIUM	UG/L	20	0.5U	0.5U	2.9B	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2U	2U	**425**	2U	42.4	2U
COPPER	UG/L	1,000	2.6U	2.6U	305	2.6U	31.2	2.6U
LEAD	UG/L	10	8.9U	8.9U	**20.7**	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.09B	0.079U	0.082B	0.079U
NICKEL	UG/L	100	3.1U	3.5B	**185**	4.7B	20.6B	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	**14.6B**	9.5U	9.5U	9.5U
ZINC	UG/L	5,000	49.2UJ	7.3U	2320J	36.7	162J	6.2U

Notes:
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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-B15-02 (57-60 ft. bgs) 9/18/2002 DEEP Total	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW Dissolved	GW-C16-01 (22-25 ft. bgs) 9/18/2002 SHALLOW Total	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP Dissolved	GW-C16-01 (57-60 ft. bgs) 9/18/2002 DEEP Total	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW Dissolved
Metals								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	**9.4B**	4.9UJ	4.9U	4.9UJ	4.9U	4.9UJ
BERYLLIUM	UG/L	20	2.9B	0.5U	0.5U	0.5U	2.1B	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	**369**	2U	7.8B	2U	**172**	2U
COPPER	UG/L	1,000	186	2.6U	21.7B	2.6U	113	2.6U
LEAD	UG/L	10	**14.7B**	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	**120**	1.9U	7.9U	1.9U	77.4	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	**10.4B**	9.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5,000	1150J	7.1U	69.8J	4.9U	734J	7.2U

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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-C16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW Total	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP Dissolved	GW-C16-02 (57-60 ft. bgs) 9/18/2002 DEEP Total	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW Dissolved	GW-D16-02 (22-25 ft. bgs) 9/19/2002 SHALLOW Total	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP Dissolved
Metals								
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9UN	9.9U
ARSENIC	UG/L	8	4.9U	4.9UJ	**11.3**	4.9U	5.9B	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	4.4B	0.5U	1.2B	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94UN	0.94U
CHROMIUM, TOTAL	UG/L	100	19.6B	2U	55.2	13B	99.5J	10B
COPPER	UG/L	1,000	22.5B	2.6U	97.1	8.1B	61J	5.8B
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	**13.8B**	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.13U	0.079U	0.079U
NICKEL	UG/L	100	11.7B	1.9B	**124**	6.4B	31.5J	13.8B
SELENIUM	UG/L	50	4.8U	4.8U	8.4B	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	**20**	9.5U	9.5U	9.5U
ZINC	UG/L	5,000	82.3J	19.6U	757J	34.4	244EN	56.1

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N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-D16-02 (57-60 ft. bgs) 9/19/2002 DEEP Total	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW Dissolved	GW-E16-02 (22-25 ft. bgs) 9/20/2002 SHALLOW Total	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP Dissolved	GW-E16-02 (57-60 ft. bgs) 9/20/2002 DEEP Total	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW Dissolved
Metals								
ANTIMONY	UG/L	20	9.9UN	9.9U	9.9UN	9.9U	9.9UJ	9.9U
ARSENIC	UG/L	8	**17.2**	4.9U	4.9U	4.9U	**50.3**	4.9U
BERYLLIUM	UG/L	20	4.4B	0.5U	0.5U	0.5U	7.5B	0.5U
CADMIUM	UG/L	4	0.94UN	0.94U	0.94UN	0.94U	0.94UJ	0.94U
CHROMIUM, TOTAL	UG/L	100	**423J**	2U	2J	2U	**616J**	4.2B
COPPER	UG/L	1,000	276J	2.6U	2.6J	2.6U	350J	3.5U
LEAD	UG/L	10	**35.4**	8.9U	8.9U	8.9U	**76.4**	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.094U
NICKEL	UG/L	100	**168J**	1.9U	1.9J	8.6B	**204J**	1.9U
SELENIUM	UG/L	50	8.1B	4.8U	4.8U	6.4B	25.9	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	12.5U	**19.6B**	9.5U
ZINC	UG/L	5,000	2000EN	6.1B	4.9UEN	5.2B	1490J	13.7B

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B = Indicates that the compound was found in the associated blank
N = Flashpoint not observed, heated to specific limit
R = Data rejected based on data validation
D = Indicates compound was found in analysis as a secondary dilution factor
* = Value obtained from a 1:5 dilution
+ = Value obtained from a 1:10 dilution
E = Indicates that the concentration exceeded the calibration range of the instrument
ft. bgs = Feet below ground surface

Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-E16-03 (22-25 ft. bgs) 9/19/2002 SHALLOW Total	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP Dissolved	GW-E16-03 (57-60 ft. bgs) 9/20/2002 DEEP Total	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW Dissolved	GW-F14-01 (22-25 ft. bgs) 9/20/2002 SHALLOW Total	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP Dissolved
Metals								
ANTIMONY	UG/L	20	9.9UN	9.9U	9.9UN	9.9U	9.9UN	9.9U
ARSENIC	UG/L	8	4.9U	4.9U	**16.4**	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	4.7B	0.5U	0.6B	0.5U
CADMIUM	UG/L	4	0.94UN	0.94U	0.94UN	0.94U	0.94UN	0.94U
CHROMIUM, TOTAL	UG/L	100	11.8J	8.9B	**305J**	2U	57.6J	2U
COPPER	UG/L	1,000	9.3J	6.9B	212J	2.6U	45.8J	2.6U
LEAD	UG/L	10	8.9U	8.9U	**27.5**	8.9U	**11.7B**	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	0.079U	0.079U
NICKEL	UG/L	100	4J	4.1B	82.9J	2.5B	24.4J	1.9U
SELENIUM	UG/L	50	4.8U	4.8U	5.5B	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	9.5U	9.5U
ZINC	UG/L	5,000	51.3EN	25.4	669EN	4.9U	151EN	4.9U

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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F14-01 (57-60 ft. bgs) 9/20/2002 DEEP Total	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW Dissolved	GW-F15-01 (22-25 ft. bgs) 9/23/2002 SHALLOW Total	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP Dissolved	GW-F15-01 (57-60 ft. bgs) 9/23/2002 DEEP Total	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW Dissolved
Metals								
ANTIMONY	UG/L	20	9.9UN	9.9U	9.9UN	9.9U	49.5UN	9.9U
ARSENIC	UG/L	8	6.8B	4.9U	**8.8B**	4.9U	**155**	4.9U
BERYLLIUM	UG/L	20	1.2B	0.5U	1.1B	0.5U	**30.6B**	0.5U
CADMIUM	UG/L	4	0.94UN	0.94U	0.94UN	0.94U	4.7UN	0.94U
CHROMIUM, TOTAL	UG/L	100	70.8J	2U	**109J**	2.2B	**586J**	2U
COPPER	UG/L	1,000	99.5J	2.6U	68.7J	4.5U	844J	2.6U
LEAD	UG/L	10	**11.2B**	8.9U	**17.2B**	8.9U	**195**	8.9U
MERCURY	UG/L	2	0.079U	0.079U	0.079U	0.079U	1.9B	0.079U
NICKEL	UG/L	100	27J	4.2B	39.4J	2.7B	**456J**	4.2B
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	24U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	7U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	9.5U	9.5U	**93.7B**	9.5U
ZINC	UG/L	5,000	154EN	5.8B	304EN	11.9B	2030EN	5.4B

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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	GW-F15-02 (22-25 ft. bgs) 9/20/2002 SHALLOW Total	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP Dissolved	GW-F15-02 (57-60 ft. bgs) 9/20/2002 DEEP Total	MW-19 8/22/2002 SHALLOW Dissolved	MW-19 8/22/2002 SHALLOW Total	MW-20 8/22/2002 SHALLOW Dissolved
Metals								
ANTIMONY	UG/L	20	9.9UN	9.9U	49.5UN	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	4.9U	4.9U	**124**	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.53B	0.5U	**26.9B**	0.5U	1.7B	0.5U
CADMIUM	UG/L	4	0.94UN	0.94U	4.7UN	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	79.4J	2U	**663J**	2.6B	10.8B	2U
COPPER	UG/L	1,000	44.4J	2.6U	906J	2.6U	26.3	2.6U
LEAD	UG/L	10	**11.6B**	8.9U	**178**	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079U	1.8B	0.079UJ	0.18B	0.079UJ
NICKEL	UG/L	100	28.9J	1.9U	**515J**	2U	9.6B	2.2U
SELENIUM	UG/L	50	4.8U	4.8U	45B	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	7U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	9.5U	9.5U	47.5U	9.5UJ	9.5U	**17.8BJ**
ZINC	UG/L	5,000	238EN	4.9U	3100EN	4.9UJ	65.3	4.9UJ

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Table 20

Analytical Results - Total Metal Versus Dissolved Metal Concentrations
GW - SI
Kenvil Works Facility, New Jersey

	Units	GWQS	MW-20 8/22/2002 SHALLOW Total	MW-21 8/22/2002 SHALLOW Dissolved	MW-21 8/22/2002 SHALLOW Total	MW-24 8/21/2002 SHALLOW Dissolved	MW-24 8/21/2002 SHALLOW Total	MW-25 8/22/2002 SHALLOW Dissolved	MW-25 8/22/2002 SHALLOW Total
Metals									
ANTIMONY	UG/L	20	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U	9.9U
ARSENIC	UG/L	8	**9B**	4.9U	4.9U	4.9U	4.9U	4.9U	4.9U
BERYLLIUM	UG/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CADMIUM	UG/L	4	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U	0.94U
CHROMIUM, TOTAL	UG/L	100	2.8B	2U	2U	2.6B	3.7B	2U	2U
COPPER	UG/L	1,000	8.4B	3.7U	3.5B	3.2U	18B	2.6U	13.6B
LEAD	UG/L	10	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U	8.9U
MERCURY	UG/L	2	0.079U	0.079UJ	0.079U	0.079UJ	0.079U	0.079UJ	0.079U
NICKEL	UG/L	100	10.3B	2.4B	1.9U	4B	5.6B	2.3B	5.8B
SELENIUM	UG/L	50	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U
SILVER	UG/L	NA	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
THALLIUM	UG/L	10	**139**	**18.4BJ**	**30.8**	9.5UJ	**91.6**	9.5UJ	**115**
ZINC	UG/L	5,000	24B	9.2BJ	10.8B	7.4BJ	15.9B	11.1BJ	249

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